Speech Communication

ÍNDICE DE TÍTULOS 2010-2023(154)

Título	Autor	Año	Volumen	Número	Páginas
"Excuse meeee!!": (Mis)coordination of lexical and paralinguistic prosody in L2 hyperarticulation	Asano, Yuki ; Gubian, Michele	2018	Vol. 99		183-200
"Look at the shark": Evaluation of student- and actress-produced standardised sentences of infant- and foreigner-directed speech	Knoll, Monja ; Scharrer, Lisa ; Costall, Alan	2011	Vol. 53	Issue 1	12-22
"Your Tone Says It All": The processing and interpretation of affective language	Roche, Jennifer M.; Peters, Brett; Dale, Rick	2015	Vol. 66		47-64
3PRO – An unsupervised method for the automatic detection of sentence prominence in speech	Kakouros, Sofoklis ; Räsänen, Okko	2016	Vol. 82		67-84
A bimodal network based on Audio–Text-Interactional-Attention with ArcFace loss for speech emotion recognition	Tang, Yuwu ; et al.	2022	Vol. 143		21-32
A cascade gray-stereo visual feature extraction method for visual and audio- visual speech recognition	Sui, Chao ; Togneri, Roberto ; Bennamoun, Mohammed	2017	Vol. 90		26-38
A change at the helm for Speech Communication. (Editorial)	Möbius, Bernd	2018	Vol. 99		A1
A closed-form solution to the graph total variation problem for continuous emotion profiling in noisy environment	Jing, Shaoling ; et al.	2018	Vol. 104		66-72
A coherence-based noise reduction algorithm for binaural hearing aids	Yousefian, Nima ; Loizou, Philipos C. ; Hansen, John H.L.	2014	Vol. 58		101-110
A comparative study of fundamental frequency stability between speech and singing	Raposo de Medeiros, Beatriz ; et al.	2021	Vol. 128		15-23
A comparative study of noise estimation algorithms for nonlinear compensation in robust speech recognition	Zhao, Yong ; Juang, Biing-Hwang (Fred)	2017	Vol. 89		58-69
A comparison of grammatical proficiency measures in the automated assessment of spontaneous speech	Yoon, Su-Youn ; Bhat, Suma	2018	Vol. 99		221-230
A comparison of procedures for the calculation of forensic likelihood ratios from acoustic–phonetic data: Multivariate kernel density (MVKD) versus Gaussian mixture model–universal background model (GMM–UBM)	Morrison, Geoffrey Stewart	2011	Vol. 53	Issue 2	242-256
A computational model of binaural speech recognition: Role of across-frequency vs. within-frequency processing and internal noise	Palomäki, Kalle J. ; Brown, Guy J.	2011	Vol. 53	Issue 6	924-940
A consistency analysis on an acoustic module for Mandarin text-to-speech	Yeh, Cheng-Yu; Chang, Shun-Chieh; Hwang, Shaw-Hwa	2013	Vol. 55	Issue 2	266-277

A corpus of read and conversational Austrian German	Schuppler, Barbara ; Hagmüller, Martin ; Zahrer, Alexander	2017	Vol. 94		62-74
A cross-language acoustic study of initial and final allophones of /I/	Recasens, Daniel	2012	Vol. 54	Issue 3	368-383
A cross-linguistic analysis of the temporal dynamics of turn-taking cues using machine learning as a descriptive tool	Brusco, Pablo ; et al.	2020	Vol. 125		24-40
A data-driven non-intrusive measure of speech quality and intelligibility	Sharma, Dushyant ; et al.	2016	Vol. 80		84-94
A data-driven speech enhancement method based on A* longest segment searching technique	Hao, Yue ; Bao, Feng ; Bao, Changchun	2017	Vol. 92		142-151
A dimensional model of interaction style variation in spoken dialog	Ward, Nigel G. ; Avila, Jonathan E.	2023	Vol. 149		47-62
A formant modification method for improved ASR of children's speech	Kathania, Hemant Kumar ; et al.	2022	Vol. 136		98-106
A hierarchical framework for spectro-temporal feature extraction	Heckmann, Martin ; et al.	2011	Vol. 53	Issue 5	736-752
A Hilbert-fine-structure-derived physical metric for predicting the intelligibility of noise-distorted and noise-suppressed speech	Chen, Fei ; Wong, Lena L.N. ; Hu, Yi	2013	Vol. 55	Issue 10	1011-1020
A knowledge graph based speech interface for question answering systems	Jaya Kumar, Ashwini ; Schmidt, Christoph ; Köhler, Joachim	2017	Vol. 92		1-12
A low-complexity permutation alignment method for frequency-domain blind source separation	Kang, Fang ; Yang, Feiran ; Yang, Jun	2019	Vol. 115		88-94
A Mandarin edutainment system integrated virtual learning environments	Yue, Ming ; Ruan, Qiuqi ; Gao, Guodong	2013	Vol. 55	Issue 1	71-83
A method for generation of Mandarin F0 contours based on tone nucleus model and superpositional model	Sun, Qinghua ; Hirose, Keikichi ; Minematsu, Nobuaki	2012	Vol. 54	Issue 8	932-945
A method for improving bot effectiveness by recognising implicit customer intent in contact centre conversations	Pawlik, Łukasz ; et al.	2022	Vol. 143		33-45
A method for transcribing the manual components of Cued Speech	Krause, Jean C.; Pelley-Lopez, Katherine A.; Tessler, Morgan P.	2011	Vol. 53	Issue 3	379-389
A method of speech periodicity enhancement using transform-domain signal decomposition	Huang, Feng ; et al.	2015	Vol. 67		102-112
A mode-shape classification technique for robust speech rate estimation and syllable nuclei detection	Yarra, Chiranjeevi ; Deshmukh, Om D. ; Ghosh, Prasanta Kumar	2016	Vol. 78		62-71
A multimodal approach to markedness in spoken French	Ferré, Gaëlle	2014	Vol. 57		268-282
A multistage approach to blind separation of convolutive speech mixtures	Jan, Tariqullah ; Wang, Wenwu ; Wang, DeLiang	2011	Vol. 53	Issue 4	524-539
A network-modeling approach to investigating individual differences in articulatory-to-acoustic relationship strategies	Carignan, Christopher	2019	Vol. 108		1-14
A new representation for speech frame recognition based on redundant wavelet	Tohidypour, Hamid Reza ; et al.	2012	Vol. 54	Issue 2	256-271
				•	

filter banks					
A new time-frequency binary mask estimation method based on convex optimization of speech power	Bao, Feng ; Abdulla, Waleed H.	2018	Vol. 97		51-65
A new time–frequency representation based on the tight framelet packet for telephone-band speech coding	Bousselmi, Souhir ; Ouni, Kaïs	2023	Vol. 152		102954
A new verification of the speech transmission index for the English language	Morales, Lorenzo ; Li, Francis F.	2018	Vol. 105		1-11
A noise-robust speech recognition approach incorporating normalized speech/non-speech likelihood into hypothesis scores	Oonishi, Tasuku ; Iwano, Koji ; Furui, Sadaoki	2013	Vol. 55	Issue 2	377-386
A non-intrusive method for estimating binaural speech intelligibility from noise-corrupted signals captured by a pair of microphones	Tang, Yan ; et al.	2018	Vol. 96		116-128
A novel distortion-tolerant speech encryption scheme for secure voice communication	Krasnowski, Piotr ; Lebrun, Jerome ; Martin, Bruno	2022	Vol. 143		57-72
A novel framework for noise robust ASR using cochlear implant-like spectrally reduced speech	Do, Cong-Thanh ; Pastor, Dominique ; Goalic, André	2012	Vol. 54	Issue 1	119-133
A novel multi-speakers Urdu singing voices synthesizer using Wasserstein Generative Adversarial Network	Saeed, Ayesha ; et al.	2022	Vol. 137		103-113
A novel speech enhancement method based on constrained low-rank and sparse matrix decomposition	Sun, Chengli ; Zhu, Qi ; Wan, Minghua	2014	Vol. 60		44-55
A novel speech enhancement method by learnable sparse and low-rank decomposition and domain adaptation	Mavaddaty, Samira ; Ahadi, Seyed Mohammad ; Seyedin, Sanaz	2016	Vol. 76		42-60
A perceptual phonetic similarity space for languages: Evidence from five native language listener groups	Bradlow, Ann ; et al.	2010	Vol. 52	Issue 11-12	930-942
A perceptual study of how rapidly and accurately audiovisual cues to utterance- final boundaries can be interpreted in Chinese and English	Bi, Ran ; Swerts, Marc	2017	Vol. 95		68-77
A perceptually motivated LP residual estimator in noisy and reverberant environments	Peng, Renhua ; et al.	2018	Vol. 96		129-141
A permutation algorithm based on dynamic time warping in speech frequency-domain blind source separation	Lv, Zhao ; et al.	2017	Vol. 92		132-141
A pre-processing method for improvement of vowel onset point detection under noisy conditions	Saha, P. ; Laskar, R.H. ; Laskar, A.	2016	Vol. 80		71-83
A predictive coding framework for a developmental agent: Speech motor skill acquisition and speech production	Najnin, Shamima ; Banerjee, Bonny	2017	Vol. 92		24-41
A preliminary examination technique for audio evidence to distinguish speech from non-speech using objective speech quality measures	Uzun, Erkam ; Sencar, Husrev T.	2014	Vol. 61-62		1-16

A prelingual tool for the education of altered voices	Rodríguez, William R. ; Saz, Oscar ; Lleida, Eduardo	2012	Vol. 54	Issue 5	583-600
A prosody-based vector-space model of dialog activity for information retrieval	Ward, Nigel G. ; et al.	2015	Vol. 68		85-96
A quantitative model of first language influence in second language consonant learning	Gong, Jian ; Cooke, Martin ; García Lecumberri, Maria Luisa	2015	Vol. 69		17-30
A reverberation robust target speech detection method using dual-microphone in distant-talking scene	Wang, Xiaofei ; et al.	2015	Vol. 72		47-58
A review of depression and suicide risk assessment using speech analysis	Cummins, Nicholas ; et al.	2015	Vol. 71		10-49
A review of lumped-element models of voiced speech	Erath, Byron D. ; et al.	2013	Vol. 55	Issue 5	667-690
A review of multi-objective deep learning speech denoising methods	Azarang, Arian ; Kehtarnavaz, Nasser	2020	Vol. 122		1-10
A review on speaker diarization systems and approaches	Moattar, M.H.; Homayounpour, M.M.	2012	Vol. 54	Issue 10	1065-1103
A robust/fast spoken term detection method based on a syllable n-gram index with a distance metric	Nakagawa, Seiichi ; et al.	2013	Vol. 55	Issue 3	470-485
A satisfaction-based model for affect recognition from conversational features in spoken dialog systems	Lebai Lutfi, Syaheerah ; et al.	2013	Vol. 55	Issue 7-8	825-840
A scalable architecture for multilingual speech recognition on embedded devices	Raab, Martin ; Gruhn, Rainer ; Nöth, Elmar	2011	Vol. 53	Issue 1	62-74
A segment selection technique for speaker verification	Nosratighods, Mohaddeseh ; et al.	2010	Vol. 52	Issue 9	753-761
A smartphone-based ASR data collection tool for under-resourced languages	De Vries, Nic J. ; et al.	2014	Vol. 56		119-131
A standard set of American-English voiced stop-consonant stimuli from morphed natural speech	Stephens, Joseph D.W. ; Holt, Lori L.	2011	Vol. 53	Issue 6	877-888
A statistical procedure to adjust for time-interval mismatch in forensic voice comparison.	Morrison, Geoffrey Stewart ; Kelly, Finnian	2019	Vol. 112		15-21
A study of continuous space word and sentence representations applied to ASR error detection	Ghannay, Sahar ; Estève, Yannick ; Camelin, Nathalie	2020	Vol. 120		31-41
A study of correlation between physiological process of articulation and emotions on Mandarin Chinese	Zhang, Ziqian ; Huang, Min ; Xiao, Zhongzhe	2023	Vol. 147		82-92
A study on data augmentation in voice anti-spoofing	Cohen, Ariel ; et al.	2022	Vol. 141		56-67
A study on the perception of prosodic cues to focus by Egyptian listeners: Some make use of them, but most of them don't	Zarka, Dina el ; Hödl, Petra	2021	Vol. 132		55-69
A subspace based progressive coding method for speech compression	Keser, Serkan ; et al.	2017	Vol. 94		50-61
A supervised non-negative matrix factorization model for speech emotion recognition	Hou, Mixiao ; Li, Jinxing ; Lu, Guangming	2020	Vol. 124		13-20

A temporal frequency warped (TFW) 2D psychoacoustic filter for robust speech recognition system	Dai, Peng ; Soon, Ing Yann	2012	Vol. 54	Issue 3	402-413
A temporal warped 2D psychoacoustic modeling for robust speech recognition system	Dai, Peng ; Soon, Ing Yann	2011	Vol. 53	Issue 2	229-241
A time-frequency smoothing neural network for speech enhancement	Yuan, Wenhao	2020	Vol. 124		75-84
A tone-modeling technique using a quantized F0 context to improve tone correctness in average-voice-based speech synthesis	Chunwijitra, Vataya ; Nose, Takashi ; Kobayashi, Takao	2012	Vol. 54	Issue 2	245-255
A two-level Item Response Theory model to evaluate speech synthesis and recognition	Oliveira, Chaina S. ; et al.	2022	Vol. 137		19-34
A two-stage complex network using cycle-consistent generative adversarial networks for speech enhancement	Yu, Guochen ; et al.	2021	Vol. 134		42-54
A unified DNN approach to speaker-dependent simultaneous speech enhancement and speech separation in low SNR environments	Gao, Tian ; et al.	2017	Vol. 95		28-39
A unified system for multilingual speech recognition and language identification	Liu, Danyang ; et al.	2021	Vol. 127		17-28
A unit selection approach for voice transformation	Lee, Ki-Seung	2014	Vol. 60		30-43
A wavelet-based thresholding approach to reconstructing unreliable spectrogram components	Badiezadegan, Shirin ; Rose, Richard C.	2015	Vol. 67		129-142
Accuracy, recording interference, and articulatory quality of headsets for ultrasound recordings	Pucher, Michael ; et al.	2020	Vol. 123		83-97
Achieving rapport with turn-by-turn, user-responsive emotional coloring	Acosta, Jaime C. ; Ward, Nigel G.	2011	Vol. 53	Issue 9-10	1137-1148
Acoustic analysis and feature transformation from neutral to whisper for speaker identification within whispered speech audio streams	Fan, Xing ; Hansen, John H.L.	2013	Vol. 55	Issue 1	119-134
Acoustic and lexical resource constrained ASR using language-independent acoustic model and language-dependent probabilistic lexical model	Rasipuram, Ramya ; Magimai Doss, Mathew	2015	Vol. 68		23-40
Acoustic and temporal representations in convolutional neural network models of prosodic events	Stehwien, Sabrina ; Schweitzer, Antje ; Vu, Ngoc Thang	2020	Vol. 125		128-141
Acoustic characteristics of public speaking: Anxiety and practice effects	Goberman, Alexander M.; Hughes, Stephanie; Haydock, Todd	2011	Vol. 53	Issue 6	867-876
Acoustic characterization and machine prediction of perceived masculinity and femininity in adults	Chen, Fuling ; et al.	2023	Vol. 147		22-40
Acoustic characterization and perceptual analysis of the relative importance of prosody in speech of people with Down syndrome	Corrales-Astorgano, Mario ; Escudero-Mancebo, David ; González-Ferreras, César	2018	Vol. 99		90-100
Acoustic classification of Russian plain and palatalized sibilant fricatives:	Spinu, Laura ; Kochetov, Alexei ; Lilley, Jason	2018	Vol. 100		41-45

Spectral vs. cepstral measures					
Acoustic data-driven grapheme-to-phoneme conversion in the probabilistic exical modeling framework	Razavi, Marzieh ; Rasipuram, Ramya ; Magimai Doss, Mathew	2016	Vol. 80		1-21
Acoustic differences in emotional speech of people with dysarthria	Alhinti, Lubna ; Christensen, Heidi ; Cunningham, Stuart	2021	Vol. 126		44-60
Acoustic features correlated to perceived urgency in evacuation announcements	Kobayashi, Maori ; Hamada, Yasuhiro ; Akagi, Masato	2022	Vol. 139		22-34
Acoustic features for speech recognition based on Gammatone filterbank and nstantaneous frequency	Yin, Hui ; Hohmann, Volker ; Nadeu, Climent	2011	Vol. 53	Issue 5	707-715
Acoustic influence of the neck tissue on Mandarin voiceless consonant production of electrolaryngeal speech	Wu, Liang ; et al.	2017	Vol. 87		31-39
Acoustic model-based subword tokenization and prosodic-context extraction without language knowledge for text-to-speech synthesis	Aso, Masashi ; et al.	2020	Vol. 125		53-60
Acoustic modelling for speech recognition in Indian languages in an agricultural commodities task domain	Mohan, Aanchan ; et al.	2014	Vol. 56		167-180
Acoustic properties of non-native clear speech: Korean speakers of English	Jung, Ye-Jee ; Dmitrieva, Olga	2023	Vol. 154		102982
Acoustic-articulatory relationships and inversion in sum-product and deep-belief networks	Rudzicz, Frank ; et al.	2016	Vol. 79		61-73
Acoustic-phonetic and artificial neural network feature analysis to assess speech quality of stop consonants produced by patients treated for oral or propharyngeal cancer	Bruijn, Marieke J. de ; et al.	2012	Vol. 54	Issue 5	632-640
Acoustical and perceptual characteristics of mandarin consonants produced with an electrolarynx	Xiao, Ke ; et al.	2020	Vol. 123		26-34
Acoustical and perceptual study of voice disguise by age modification in speaker verification	González Hautamäki, Rosa ; et al.	2017	Vol. 95		1-15
Acoustically discriminative language model training with pseudo-hypothesis	Kurata, Gakuto ; et al.	2012	Vol. 54	Issue 2	219-228
Acquisition of the 3D surface of the palate by in-vivo digitization with Wave	Yunusova, Yana ; et al.	2012	Vol. 54	Issue 8	923-931
daptive and hybrid Kronecker product beamforming for far-field speech signals	Sharma, Rajib ; Cohen, Israel ; Benesty, Jacob	2020	Vol. 120		42-52
daptive blind moving source separation based on intensity vector statistics	Riaz, Areeb ; Shi, Xiyu ; Kondoz, Ahmet	2019	Vol. 113		1-14
Addressing the semi-open set dialect recognition problem under resource- ifficient considerations	Dey, Spandan ; Saha, Goutam	2023	Vol. 152		102957
Advanced parallel combined Gaussian mixture model based feature compensation integrated with iterative channel estimation	Kim, Wooil ; Hansen, John H.L.	2015	Vol. 73		81-93

Advances in phase-aware signal processing in speech communication.	Mowlaee, Pejman ; Saeidi, Rahim ; Stylianou, Yannis	2016	Vol. 81		1-29
Affective prosody in European Portuguese: Perceptual and acoustic characterization of one-word utterances	Filipe, Marisa G. ; et al.	2015	Vol. 67		58-64
Affective synthesis and animation of arm gestures from speech prosody	Bozkurt, Elif ; Yemez, Yücel ; Erzin, Engin	2020	Vol. 119		1-11
Age estimation in foreign-accented speech by non-native speakers of English	Jiao, Dan ; et al.	2019	Vol. 106		118-126
Age-related changes in co-speech gesture and narrative: Evidence from French children and adults	Colletta, Jean-Marc ; Pellenq, Catherine ; Guidetti, Michèle	2010	Vol. 52	Issue 6	565-576
Amplitude and Frequency Modulation-based features for detection of replay Spoof Speech	Kamble, Madhu R. ; Tak, Hemlata ; Patil, Hemant A.	2020	Vol. 125		114-127
An acoustic investigation of the developmental trajectory of lexical stress contrastivity in Italian	Arciuli, Joanne ; Colombo, Lucia	2016	Vol. 80		22-33
An acoustically-driven vocal tract model for stop consonant production	Story, Brad H. ; Bunton, Kate	2017	Vol. 87		1-17
An adaptive autoregressive pre-whitener for speech and acoustic signals based on parametric NMF	Esquivel Jaramillo, Alfredo ; Nielsen, Jesper Kjær ; Christensen, Mads Græsbøll	2023	Vol. 151		9-23
An adaptive transmission line cochlear model based front-end for replay attack detection	Gunendradasan, Tharshini ; et al.	2021	Vol. 132		114-122
An advanced entropy-based feature with a frame-level vocal effort likelihood space modeling for distant whisper-island detection	Zhang, Chi ; Hansen, John H.L.	2015	Vol. 66		107-117
An analysis of British regional accent and contextual cue effects on speechreading performance	Irwin, Amy; Pilling, Michael; Thomas, Sharon M.	2011	Vol. 53	Issue 6	807-817
An Analysis of HMM-based prediction of articulatory movements	Ling, Zhen-Hua ; Richmond, Korin ; Yamagishi, Junichi	2010	Vol. 52	Issue 10	834-846
An analysis of prosodic boundaries across speaking styles in two varieties of German	Ludusan, Bogdan ; Schuppler, Barbara	2022	Vol. 141		93-106
An analysis of the high resolution property of group delay function with applications to audio signal processing.	Sebastian, Jilt ; Manoj Kumar, P. A. ; Murthy, Hema A.	2016	Vol. 81		42-53
An approach for efficient open vocabulary spoken term detection	Norouzian, Atta ; Rose, Richard	2014	Vol. 57		50-62
An automated integrated speech and face imageanalysis system for the identification of human emotions	Loizou, Christos P.	2021	Vol. 130		15-26
An automated technique to generate phone-to-articulatory label mapping	Abraham, Basil ; Umesh, S.	2017	Vol. 86		107-120
An educational platform to demonstrate speech processing techniques on Android based smart phones and tablets	Chappel, Roger ; Paliwal, Kuldip	2014	Vol. 57		13-38

An efficient transcoding algorithm between AMR-NB and G.729ab	Bao, Changchun ; et al.	2010	Vol. 52	Issue 9	710-724
An empirical study of the effect of acoustic-prosodic entrainment on the perceived trustworthiness of conversational avatars	Gálvez, Ramiro H. ; et al.	2020	Vol. 124		46-67
An experimental study of speech/gesture interactions and distance encoding	Gonseth, Chloe ; Vilain, Anne ; Vilain, Coriandre	2013	Vol. 55	Issue 4	553-571
An improved CycleGAN-based emotional voice conversion model by augmenting temporal dependency with a transformer	Fu, Changzeng ; et al.	2022	Vol. 144		110-121
An Improved Method for Late-Reverberant Suppression Based on Statistical Model	Bao, Xulei ; Zhu, Jie	2013	Vol. 55	Issue 9	932-940
An improved model of masking effects for robust speech recognition system	Dai, Peng ; Soon, Ing Yann	2013	Vol. 55	Issue 3	387-396
An improved speech transmission index for intelligibility prediction	Schwerin, Belinda ; Paliwal, Kuldip	2014	Vol. 65		9-19
An intuitive style control technique in HMM-based expressive speech synthesis using subjective style intensity and multiple-regression global variance model	Nose, Takashi ; Kobayashi, Takao	2013	Vol. 55	Issue 2	347-357
An investigation of domain adaptation in speaker embedding space for speaker recognition	Bahmaninezhad, Fahimeh ; Zhang, Chunlei ; Hansen, John H.L.	2021	Vol. 129		7-16
An Iterative Graph Spectral Subtraction Method for Speech Enhancement	Yan, Xue ; et al.	2020	Vol. 123		35-42
An iterative mask estimation approach to deep learning based multi-channel speech recognition	Tu, Yan-Hui ; et al.	2019	Vol. 106		31-43
An online model for vowel imitation learning	Rasilo, Heikki ; Räsänen, Okko	2017	Vol. 86		1-23
An open development platform for auditory real-time signal processing	Kim, Seon Man ; Bleeck, Stefan	2018	Vol. 98		73-84
An overview of text-independent speaker recognition: From features to supervectors	Kinnunen, Tomi ; Li, Haizhou	2010	Vol. 52	Issue 1	12-40
An overview of voice conversion systems	Mohammadi, Seyed Hamidreza ; Kain, Alexander	2017	Vol. 88		65-82
An ultrasound study of contextual and syllabic effects in consonant sequences produced under heavy articulatory constraint conditions	Recasens, Daniel ; Rodríguez, Clara	2018	Vol. 105		34-52
Analysing patterns of right brain-hemisphere activity prior to speech articulation for identification of system-directed speech	Haider, Fasih ; et al.	2019	Vol. 107		18-25
Analysis and classification of phonation types in speech and singing voice	Kadiri, Sudarsana Reddy ; Alku, Paavo ; Yegnanarayana, B.	2020	Vol. 118		33-47
Analysis and classification of the nasal finals in hearing-impaired patients using tongue movement features	Xue, Peiyun ; et al.	2018	Vol. 104		57-65
Analysis and design of Wavelet-Packet Cepstral coefficients for automatic speech recognition	Pavez, Eduardo ; Silva, Jorge F.	2012	Vol. 54	Issue 6	814-835
	Li, Jialu ; Hasegawa-Johnson, Mark ; McElwain,	2021	Vol. 133		41-61

mother vocalizations	Nancy L.				
Analysis of acoustic space variability in speech affected by depression	Cummins, Nicholas ; et al.	2015	Vol. 75		27-49
Analysis of CFA-BF: Novel combined fixed/adaptive beamforming for robust speech recognition in real car environments	Hansen, John H.L. ; Zhang, Xianxian	2010	Vol. 52	Issue 2	134-149
Analysis of glottal inverse filtering in the presence of source-filter interaction	Palaparthi, Anil ; Titze, Ingo R.	2020	Vol. 123		98-108
Analysis of inter-transcriber consistency in the Cat_ToBI prosodic labeling system	Escudero, David ; et al.	2012	Vol. 54	Issue 4	566-582
Analysis of phonation onsets in vowel production, using information from glottal area and flow estimate	Murtola, Tiina ; et al.	2019	Vol. 109		55-65
Analysis of relationship between head motion events and speech in dialogue conversations	Ishi, Carlos Toshinori ; Ishiguro, Hiroshi ; Hagita, Norihiro	2014	Vol. 57		233-243
Analysis of speech quality measures for the task of estimating the reliability of speaker verification decisions	Villalba, Jesús ; et al.	2016	Vol. 78		42-61
Analysis of statistical parametric and unit selection speech synthesis systems applied to emotional speech	Barra-Chicote, Roberto ; et al.	2010	Vol. 52	Issue 5	394-404
Analysis of the Hilbert Spectrum for Text-Dependent Speaker Verification	Sharma, Rajib ; Bhukya, Ramesh K. ; Prasanna, S.R.M.	2018	Vol. 96		207-224
Analysis of the Intrinsic Mode Functions for Speaker Information	Sharma, Rajib ; et al.	2017	Vol. 91		1-16
Analysis of trade-offs between magnitude and phase estimation in loss functions for speech denoising and dereverberation	Luo, Xiaoxue ; et al.	2022	Vol. 145		71-87
Analysis of two-sensors forward BSS structure with post-filters in the presence of coherent and incoherent noise	Djendi, Mohamed ; Scalart, Pascal ; Gilloire, André	2013	Vol. 55	Issue 10	975-987
Analysis of unsupervised cross-lingual speaker adaptation for HMM-based speech synthesis using KLD-based transform mapping	Oura, Keiichiro ; et al.	2012	Vol. 54	Issue 6	703-714
Analysis-by-synthesis based training target extraction of the DNN for noise masking	Cui, Zihao ; Bao, Changchun	2022	Vol. 144		26-41
Analytic phase features for dysarthric speech detection and intelligibility assessment	Gurugubelli, Krishna ; Vuppala, Anil Kumar	2020	Vol. 121		1-15
Anger recognition in speech using acoustic and linguistic cues	Polzehl, Tim ; et al.	2011	Vol. 53	Issue 9-10	1198-1209
Anomaly detection based pronunciation verification approach using speech attribute features	Shahin, Mostafa ; Ahmed, Beena	2019	Vol. 111		29-43
Application of non-negative spectrogram decomposition with sparsity constraints to single-channel speech enhancement	Lee, Kyogu	2014	Vol. 58		69-80

Application of speaker- and language identification state-of-the-art techniques	Kockmann, Marcel ; Burget, Lukáš ; Černocký,	2011	Vol. 53	Issue 9-10	1172-1185
for emotion recognition	Jan "Honza"		VOI. 33	13346 3 10	1172 1103
Application of virtual human sign language translation based on speech recognition	Li, Xin; Yang, Shuying; Guo, Haiming	2023	Vol. 152		102951
Approximate inference: A sampling based modeling technique to capture complex dependencies in a language model	Deoras, Anoop ; et al.	2013	Vol. 55	Issue 1	162-177
Arabic vowels recognition based on wavelet average framing linear prediction coding and neural network	Daqrouq, K. ; Al Azzawi, K.Y.	2013	Vol. 55	Issue 5	641-652
Arm motion symmetry in conversation	Windle, Jonathan ; et al.	2022	Vol. 144		75-88
Articulation rates' inter-correlations and discriminating powers in an English speech corpus	Plug, Leendert ; Lennon, Robert ; Gold, Erica	2021	Vol. 132		40-54
Articulatory-to-acoustic conversion using BLSTM-RNNs with augmented input representation	Liu, Zheng-Chen ; Ling, Zhen-Hua ; Dai, Li-Rong	2018	Vol. 99		161-172
Artificial bandwidth extension of spectral envelope along a Viterbi path	Yağlı, Can ; Turan, M.A. Tuğtekin ; Erzin, Engin	2013	Vol. 55	Issue 1	111-118
Artificial bandwidth extension using H∞ sampled-data control theory	Gupta, Deepika ; Shekhawat, Hanumant Singh	2021	Vol. 134		32-41
Ascribing emotions depending on pause length in native and foreign language speech	Tisljár-Szabó, Eszter ; Pléh, Csaba	2014	Vol. 56		35-48
Assessing child communication engagement and statistical speech patterns for American English via speech recognition in naturalistic active learning spaces	Lileikyte, Rasa ; Irvin, Dwight ; Hansen, John H.L.	2022	Vol. 140		98-108
Assessing correlations between lingual movements and formants	Dromey, Christopher ; Jang, Gwi-Ok ; Hollis, Kristi	2013	Vol. 55	Issue 2	315-328
Assessing the position tracking reliability of Carstens' AG500 and AG501 electromagnetic articulographs during constrained movements and speech tasks	Sigona, Francesco ; et al.	2018	Vol. 104		73-88
Assessment of Cognitive Load, Speech Communication Quality and Quality of Experience for spatial and non-spatial audio conferencing calls	Skowronek, Janto ; Raake, Alexander	2015	Vol. 66		154-175
Assessment of disordered voice via the first rahmonic	Alpan, A.; et al.	2012	Vol. 54	Issue 5	655-663
Audibility emphasis of low-level sounds improves consonant identification while preserving vowel identification for cochlear implant users	Goldsworthy, Raymond L.; Bissmeyer, Susan R.S.; Swaminathan, Jayaganesh	2022	Vol. 137		52-59
Audible smiles and frowns affect speech comprehension	Quené, Hugo ; Semin, Gün R. ; Foroni, Francesco	2012	Vol. 54	Issue 7	917-922
Audio head pose estimation using the direct to reverberant speech ratio	Barnard, Mark ; Wang, Wenwu	2016	Vol. 85		98-108
Audio-visual expressions of attitude: How many different attitudes can perceivers decode?	Mixdorff, Hansjörg ; et al.	2017	Vol. 95		114-126
Audio-visual speech comprehension in noise with real and virtual speakers	Nirme, Jens ; et al.	2020	Vol. 116		44-55

Audiovisual perception in adverse conditions: Language, speaker and listener effects	Hazan, Valerie ; Kim, Jeesun ; Chen, Yuchun	2010	Vol. 52	Issue 11-12	996-1009
Audiovisual perception of gemination and pharyngealization in Arabic	Scott, Mark ; Idrissi, Ali	2018	Vol. 98		17-27
Audiovisual speech synthesis: An overview of the state-of-the-art	Mattheyses, Wesley; Verhelst, Werner	2015	Vol. 66		182-217
Audiovisual temporal integration in reverberant environments	Eg, Ragnhild ; Behne, Dawn M. ; Griwodz, Carsten	2015	Vol. 66		91-106
Auditory model based direction estimation of concurrent speakers from binaural signals	Dietz, Mathias ; Ewert, Stephan D. ; Hohmann, Volker	2011	Vol. 53	Issue 5	592-605
Auditory-inspired sparse representation of audio signals	Pichevar, Ramin ; et al.	2011	Vol. 53	Issue 5	643-657
Automatic accent identification as an analytical tool for accent robust automatic speech recognition	Najafian, Maryam ; Russell, Martin	2020	Vol. 122		44-55
Automatic analysis of Mandarin accented English using phonological features	Sangwan, Abhijeet ; Hansen, John H.L.	2012	Vol. 54	Issue 1	40-54
Automatic animation of an articulatory tongue model from ultrasound images of the vocal tract	Fabre, Diandra ; et al.	2017	Vol. 93		63-75
Automatic assessment of English proficiency for Japanese learners without reference sentences based on deep neural network acoustic models	Jiang, Fu; et al.	2020	Vol. 116		86-97
Automatic assessment of expressive oral reading	Bolaños, Daniel ; et al.	2013	Vol. 55	Issue 2	221-236
Automatic assessment of oral readings of young pupils	Bailly, Gérard ; et al.	2022	Vol. 138		67-79
Automatic assessment of syntactic complexity for spontaneous speech scoring	Bhat, Suma ; Yoon, Su-youn	2015	Vol. 67		42-57
Automatic audiovisual synchronisation for ultrasound tongue imaging	Eshky, Aciel ; et al.	2021	Vol. 132		83-95
Automatic classification of infant vocalization sequences with convolutional neural networks	Anders, Franz ; Hlawitschka, Mario ; Fuchs, Mirco	2020	Vol. 119		36-45
Automatic context window composition for distant speech recognition	Ravanelli, Mirco ; Omologo, Maurizio	2018	Vol. 101		34-44
Automatic conversion between pronunciations of different English accents	Loots, Linsen; Niesler, Thomas	2011	Vol. 53	Issue 1	75-84
Automatic depression classification based on affective read sentences: Opportunities for text-dependent analysis	Stasak, Brian ; Epps, Julien ; Goecke, Roland	2019	Vol. 115		1-14
Automatic estimation of the first three subglottal resonances from adults' speech signals with application to speaker height estimation	Arsikere, Harish ; et al.	2013	Vol. 55	Issue 1	51-70
Automatic evaluation of reading aloud performance in children	Proença, Jorge ; et al.	2017	Vol. 94		1-14
Automatic evaluation of spontaneous oral cancer speech using ratings from naive listeners	Halpern, Bence Mark ; et al.	2023	Vol. 149		84-97
Automatic generation of the complete vocal tract shape from the sequence of phonemes to be articulated	Ribeiro, Vinicius ; et al.	2022	Vol. 141		1-13

	T.,	T	T	T	1
Automatic glottal segmentation using local-based active contours and application to glottovibrography	Karakozoglou, Sevasti-Zoi ; et al.	2012	Vol. 54	Issue 5	641-654
Automatic intelligibility assessment of dysarthric speech using glottal parameters	Narendra, N. P. ; Alku, Paavo	2020	Vol. 123		1-9
Automatic intonation assessment for computer aided language learning	Arias, Juan Pablo ; Becerra Yoma, Nestor ; Vivanco, Hiram	2010	Vol. 52	Issue 3	254-267
Automatic lexical stress and pitch accent detection for L2 English speech using multi-distribution deep neural networks	Li, Kun ; et al.	2018	Vol. 96		28-36
Automatic prosodic event detection using a novel labeling and selection method in co-training	Jeon, Je Hun ; Liu, Yang	2012	Vol. 54	Issue 3	445-458
Automatic quality control and enhancement for voice-based remote Parkinson's disease detection	Poorjam, Amir Hossein ; et al.	2021	Vol. 127		1-16
Automatic quantitative analysis of spontaneous aphasic speech	Le, Duc ; Licata, Keli ; Mower Provost, Emily	2018	Vol. 100		1-12
Automatic recognition of Japanese vowel length accounting for speaking rate and motivated by perception analysis	Short, Greg ; et al.	2015	Vol. 73		47-63
Automatic recognition of regional phonological variation in conversational interaction	Aubanel, Vincent ; Nguyen, Noël	2010	Vol. 52	Issue 6	577-586
Automatic segmentation of speech articulators from real-time midsagittal MRI based on supervised learning	Labrunie, Mathieu ; et al.	2018	Vol. 99		27-46
Automatic speaker profiling from short duration speech data	Kalluri, Shareef Babu ; Vijayasenan, Deepu ; Ganapathy, Sriram	2020	Vol. 121		16-28
Automatic speaker verification from affective speech using Gaussian mixture model based estimation of neutral speech characteristics	Avila, Anderson R.; O'Shaughnessy, Douglas; Falk, Tiago H.	2021	Vol. 132		21-31
Automatic speech emotion recognition using an optimal combination of features based on EMD-TKEO	Kerkeni, Leila ; et al.	2019	Vol. 114		22-35
Automatic speech emotion recognition using modulation spectral features	Wu, Siqing ; Falk, Tiago H. ; Chan, Wai-Yip	2011	Vol. 53	Issue 5	768-785
Automatic Speech Recognition and Pronunciation Error Detection of Dutch Nonnative Speech: cumulating speech resources in a pluricentric language	X. Wei, ; et al.	2022	Vol. 144		1-9
Automatic speech recognition for under-resourced languages: A survey	Besacier, Laurent ; et al.	2014	Vol. 56		85-100
Automatic syllable segmentation algorithm of Chinese speech based on MF-DFA	He, Shaofang ; Zhao, Huan	2017	Vol. 92		42-51
Automatic syllable stress detection under non-parallel label and data condition	Yarra, Chiranjeevi ; Ghosh, Prasanta Kumar	2022	Vol. 138		80-87
Automatic versus human speaker verification: The case of voice mimicry	González Hautamäki, Rosa ; et al.	2015	Vol. 72		13-31
Automatic voice onset time detection for unvoiced stops (/p/,/t/,/k/) with	Hansen, John H.L.; Gray, Sharmistha S.; Kim,	2010	Vol. 52	Issue 10	777-789
			•	•	

application to accent classification	Wooil				
Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech	Räsänen, Okko ; et al.	2019	Vol. 113		63-80
Automating manual user strategies for precise voice source analysis	Kane, John ; Gobl, Christer	2013	Vol. 55	Issue 3	397-414
Autonomous selection of i-vectors for PLDA modelling in speaker verification	Biswas, Sangeeta ; Rohdin, Johan ; Shinoda, Koichi	2015	Vol. 72		32-46
B&Anet: Combining bidirectional LSTM and self-attention for end-to-end learning of task-oriented dialogue system	Qun, He ; Liu, Wenjing ; Cai, Zhangli	2020	Vol. 125		15-23
Bangladeshi Bangla speech corpus for automatic speech recognition research	Kibria, Shafkat ; et al.	2022	Vol. 136		84-97
Bayes risk-based dialogue management for document retrieval system with speech interface	Misu, Teruhisa ; Kawahara, Tatsuya	2010	Vol. 52	Issue 1	61-71
Bayesian changepoint detection for the automatic assessment of fluency and articulatory disorders	Cmejla, Roman ; et al.	2013	Vol. 55	Issue 1	178-189
Bayesian noise estimation in the modulation domain	Singh, Maneesh K. ; et al.	2018	Vol. 96		81-92
Benefits and challenges of real-time uncertainty detection and adaptation in a spoken dialogue computer tutor	Forbes-Riley, Kate ; Litman, Diane	2011	Vol. 53	Issue 9-10	1115-1136
Bimodal automatic speech segmentation based on audio and visual information fusion	Akdemir, Eren ; Çiloğlu, Tolga	2011	Vol. 53	Issue 6	889-902
Binaural rendering of microphone array captures based on source separation	Nikunen, Joonas ; et al.	2016	Vol. 76		157-169
Binaural speech intelligibility through personal and non-personal HRTF via headphones, with added artificial noise and reverberation	Orduña-Bustamante, Felipe ; Padilla-Ortiz, A.L. ; Torres-Gallegos, Edgar A.	2018	Vol. 105		53-61
Blind Speech Separation and Dereverberation using neural beamforming	Pfeifenberger, Lukas ; Pernkopf, Franz	2022	Vol. 140		29-41
Bone-conducted speech enhancement using deep denoising autoencoder	Liu, Hung-Ping ; Tsao, Yu ; Fuh, Chiou-Shann	2018	Vol. 104		106-112
Boosting systems for large vocabulary continuous speech recognition	Saon, George ; Soltau, Hagen	2012	Vol. 54	Issue 2	212-218
Brain-computer interfaces for speech communication	Brumberg, Jonathan S. ; et al.	2010	Vol. 52	Issue 4	367-379
Can you 'read' tongue movements? Evaluation of the contribution of tongue display to speech understanding	Badin, Pierre ; et al.	2010	Vol. 52	Issue 6	493-503
Carrying the torch. (Editorial)	Bimbot, Frédéric	2018	Vol. 99		A2
Case study of Brazilian Portuguese laterals using a novel articulatory-acoustic methodology with 3D/4D ultrasound	Charles, Sherman ; Lulich, Steven M.	2018	Vol. 103		37-48
CASE-Net: Integrating local and non-local attention operations for speech enhancement	Xu, Xinmeng ; Tu, Weiping ; Yang, Yuhong	2023	Vol. 148		31-39

Categorical perception of voicing, colors and facial expressions: A developmental study	Hoonhorst, I. ; et al.	2011	Vol. 53	Issue 3	417-430
Categorical processing of negative emotions from speech prosody	Jaywant, Abhishek ; Pell, Marc D.	2012	Vol. 54	Issue 1	1-10
Causal-anticausal decomposition of speech using complex cepstrum for glottal source estimation	Drugman, Thomas ; Bozkurt, Bariş ; Dutoit, Thierry	2011	Vol. 53	Issue 6	855-866
Cepstral normalisation and the signal to noise ratio spectrum in automatic speech recognition	Garner, Philip N.	2011	Vol. 53	Issue 8	991-1001
Channel selection measures for multi-microphone speech recognition	Wolf, Martin ; Nadeu, Climent	2014	Vol. 57		170-180
Characterisation and identification of non-native French accents	Vieru, Bianca ; Boula de Mareüil, Philippe ; Adda-Decker, Martine	2011	Vol. 53	Issue 3	292-310
Characterising F(0) contour shape in infant- and foreigner-directed speech	Knoll, Monja A. ; Costall, Alan	2015	Vol. 66		231-243
Characteristics of stop releases in American English spontaneous speech	Davidson, Lisa	2011	Vol. 53	Issue 8	1042-1058
Characterization of atypical vocal source excitation, temporal dynamics and prosody for objective measurement of dysarthric word intelligibility	Falk, Tiago H.; Chan, Wai-Yip; Shein, Fraser	2012	Vol. 54	Issue 5	622-631
Characterizing and detecting spontaneous speech: Application to speaker role recognition	Dufour, Richard ; Estève, Yannick ; Deléglise, Paul	2014	Vol. 56		1-18
CheapTrick, a spectral envelope estimator for high-quality speech synthesis	Morise, Masanori	2015	Vol. 67		1-7
Class-level spectral features for emotion recognition	Bitouk, Dmitri ; Verma, Ragini ; Nenkova, Ani	2010	Vol. 52	Issue 7-8	613-625
Class-specific GMM based intermediate matching kernel for classification of varying length patterns of long duration speech using support vector machines	Dileep, A.D.; Sekhar, C. Chandra	2014	Vol. 57		126-143
Classification of emotion in spoken Finnish using vowel-length segments: Increasing reliability with a fusion technique	Väyrynen, Eero ; Toivanen, Juhani ; Seppänen, Tapio	2011	Vol. 53	Issue 3	269-282
Classification of emotional speech using 3DEC hierarchical classifier	Hassan, A.; Damper, R.I.	2012	Vol. 54	Issue 7	903-916
Classification of lexical stress using spectral and prosodic features for computer- assisted language learning systems	Ferrer, Luciana ; et al.	2015	Vol. 69		31-45
Classification of place of articulation in unvoiced stops with spectro-temporal surface modeling	Karjigi, V. ; Rao, P.	2012	Vol. 54	Issue 10	1104-1120
Classification of speech-evoked brainstem responses to English vowels	Sadeghian, Amir ; Dajani, Hilmi R. ; Chan, Adrian D.C.	2015	Vol. 68		69-84
Classifying the socio-situational settings of transcripts of spoken discourses	Shi, Yangyang ; Wiggers, Pascal ; Jonker, Catholijn M.	2013	Vol. 55	Issue 10	988-1002
Clinical evaluation of the performance of a blind source separation algorithm combining beamforming and independent component analysis in hearing aid	Nam, Kyoung Won ; et al.	2013	Vol. 55	Issue 4	544-552

Walker, Gareth	2018	Vol. 99		231-241
Li, Lantian ; et al.	2022	Vol. 137		77-91
Hermansky, Hynek	2019	Vol. 106		112-117
Shen, Peng ; et al.	2016	Vol. 82		1-13
Yoon, Su-youn ; Zechner, Klaus	2017	Vol. 93		43-52
Li, Qiujia ; Zhang, Chao ; Woodland, Philip C.	2023	Vol. 147		12-21
Weiss, Ron J.; Mandel, Michael I.; Ellis, Daniel P.W.	2011	Vol. 53	Issue 5	606-621
White, Laurence	2014	Vol. 63-64		38-54
Sharma, Nitin Mohan ; et al.	2023	Vol. 150		23-31
Yenkimaleki, Mahmood ; Heuven, Vincent van	2022	Vol. 137		92-102
Li, Zhongbo ; et al.	2012	Vol. 54	Issue 8	957-974
Irino, Toshio ; et al.	2012	Vol. 54	Issue 9	998-1013
Kakouros, Sofoklis ; Räsänen, Okko ; Alku, Paavo	2018	Vol. 103		11-26
Mariooryad, Soroosh ; Busso, Carlos	2014	Vol. 57		1-12
Maia, Ranniery ; Akamine, Masami ; Gales, Mark J.F.	2013	Vol. 55	Issue 5	606-618
Cabañas-Molero, P. ; et al.	2016	Vol. 78		84-99
Mattheyses, Wesley; Latacz, Lukas; Verhelst, Werner	2013	Vol. 55	Issue 7-8	857-876
	Li, Lantian; et al. Hermansky, Hynek Shen, Peng; et al. Yoon, Su-youn; Zechner, Klaus Li, Qiujia; Zhang, Chao; Woodland, Philip C. Weiss, Ron J.; Mandel, Michael I.; Ellis, Daniel P.W. White, Laurence Sharma, Nitin Mohan; et al. Yenkimaleki, Mahmood; Heuven, Vincent van Li, Zhongbo; et al. Irino, Toshio; et al. Kakouros, Sofoklis; Räsänen, Okko; Alku, Paavo Mariooryad, Soroosh; Busso, Carlos Maia, Ranniery; Akamine, Masami; Gales, Mark J.F. Cabañas-Molero, P.; et al. Mattheyses, Wesley; Latacz, Lukas; Verhelst,	Li, Lantian; et al. 2022 Hermansky, Hynek 2019 Shen, Peng; et al. 2016 Yoon, Su-youn; Zechner, Klaus 2017 Li, Qiujia; Zhang, Chao; Woodland, Philip C. 2023 Weiss, Ron J.; Mandel, Michael I.; Ellis, Daniel P.W. 2011 P.W. White, Laurence 2014 Sharma, Nitin Mohan; et al. 2023 Yenkimaleki, Mahmood; Heuven, Vincent van 2022 Li, Zhongbo; et al. 2012 Irino, Toshio; et al. 2012 Kakouros, Sofoklis; Räsänen, Okko; Alku, Paavo 2018 Mariooryad, Soroosh; Busso, Carlos 2014 Maia, Ranniery; Akamine, Masami; Gales, Mark J.F. 2013 J.F. Cabañas-Molero, P.; et al. 2016 Mattheyses, Wesley; Latacz, Lukas; Verhelst, 2013	Li, Lantian ; et al. Hermansky, Hynek 2019 Vol. 106 Shen, Peng ; et al. Yoon, Su-youn ; Zechner, Klaus Li, Qiujia ; Zhang, Chao ; Woodland, Philip C. Weiss, Ron J. ; Mandel, Michael I. ; Ellis, Daniel P.W. White, Laurence Sharma, Nitin Mohan ; et al. Yenkimaleki, Mahmood ; Heuven, Vincent van Li, Zhongbo ; et al. Li, Zhongbo ; et al. Li, Zhongbo ; et al. Kakouros, Sofoklis ; Räsänen, Okko ; Alku, Paavo Mariooryad, Soroosh ; Busso, Carlos Mariooryad, Soroosh ; Busso, Carlos Maia, Ranniery ; Akamine, Masami ; Gales, Mark J.F. Cabañas-Molero, P. ; et al. Mattheyses, Wesley ; Latacz, Lukas ; Verhelst, Mattheyses, Wesley ; Latacz, Lukas ; Verhelst, 2012 Vol. 137 Vol. 54 Vol. 55	Li, Lantian ; et al. Hermansky, Hynek 2019 Vol. 106 Shen, Peng ; et al. Yoon, Su-youn ; Zechner, Klaus Li, Qiujia ; Zhang, Chao ; Woodland, Philip C. Weiss, Ron J. ; Mandel, Michael I. ; Ellis, Daniel P.W. White, Laurence Sharma, Nitin Mohan ; et al. Yenkimaleki, Mahmood ; Heuven, Vincent van Li, Zhongbo ; et al. Li, Zhongbo ; et al. Li, Zhongbo ; et al. Rakouros, Sofoklis ; Räsänen, Okko ; Alku, Paavo Mariooryad, Soroosh ; Busso, Carlos Mariooryad, Soroosh ; Busso, Carlos Maia, Ranniery ; Akamine, Masami ; Gales, Mark J.F. Cabañas-Molero, P. ; et al. Mattheyses, Wesley ; Latacz, Lukas ; Verhelst, Mattheyses, Wesley ; Latacz, Lukas ; Verhelst, 2012 Vol. 137 Vol. 54 Issue 9 Vol. 55 Issue 5 Issue 7-8

Compressed domain speech enhancement method based on ITU-T G.722.2	Xia, Bingyin ; Bao, Changchun	2013	Vol. 55	Issue 5	619-640
Compressive speech enhancement	Low, Siow Yong ; Pham, Duc Son ; Venkatesh, Svetha	2013	Vol. 55	Issue 6	757-768
Compressive speech enhancement in the modulation domain	Low, Siow Yong	2018	Vol. 102		87-99
Computational auditory induction as a missing-data model-fitting problem with Bregman divergence	Le Roux, Jonathan ; et al.	2011	Vol. 53	Issue 5	658-676
Computational methods for underdetermined convolutive speech localization and separation via model-based sparse component analysis	Asaei, Afsaneh ; et al.	2016	Vol. 76		201-217
Computational modeling of phonetic and lexical learning in early language acquisition: Existing models and future directions	Räsänen, Okko	2012	Vol. 54	Issue 9	975-997
Computational modelling of segmental and prosodic levels of analysis for capturing variation across Arabic dialects	Brown, Georgina ; Hellmuth, Sam	2022	Vol. 141		80-92
Computer-assisted assessment of phonetic fluency in a second language: a longitudinal study of Japanese learners of French	Detey, Sylvain ; et al.	2020	Vol. 125		69-79
Computer-assisted pronunciation training—Speech synthesis is almost all you need	Korzekwa, Daniel ; et al.	2022	Vol. 142		22-33
Computer-vision analysis reveals facial movements made during Mandarin tone production align with pitch trajectories	Garg, Saurabh ; et al.	2019	Vol. 113		47-62
Consonant gemination in Italian: The affricate and fricative case	Di Benedetto, Maria Gabriella ; De Nardis, Luca	2021	Vol. 134		86-108
Consonant gemination in Italian: The nasal and liquid case	Di Benedetto, Maria Gabriella ; De Nardis, Luca	2021	Vol. 133		62-80
Consonant-vowel unit recognition using dominant aperiodic and transition region detection	Sarma, Biswajit D. ; Prasanna, S. R. Mahadeva ; Sarmah, Priyankoo	2017	Vol. 92		77-89
Constructing a spoken dialogue corpus for studying paralinguistic information in expressive conversation and analyzing its statistical/acoustic characteristics	Mori, Hiroki ; et al.	2011	Vol. 53	Issue 1	36-50
Context adaptive training with factorized decision trees for HMM-based statistical parametric speech synthesis	Yu, Kai ; et al.	2011	Vol. 53	Issue 6	914-923
Contextual and syllabic effects in heterosyllabic consonant sequences. An ultrasound study	Recasens, Daniel ; Rodríguez, Clara	2018	Vol. 96		150-167
Contextual effect in second language perception and production of Mandarin tones	Hao, Yen-Chen	2018	Vol. 97		32-42
Contextual invariant-integration features for improved speaker-independent speech recognition	Müller, Florian ; Mertins, Alfred	2011	Vol. 53	Issue 6	830-841
Continuous emotion recognition with phonetic syllables	Origlia, A. ; Cutugno, F. ; Galatà, V.	2014	Vol. 57		155-169
	T		-		

Control of speech-related facial movements of an avatar from video	Gibert, Guillaume ; Leung, Yvonne ; Stevens, Catherine J.	2013	Vol. 55	Issue 1	135-146
Controllable speech synthesis by learning discrete phoneme-level prosodic representations	Ellinas, Nikolaos ; et al.	2023	Vol. 146		22-31
Correcting phoneme recognition errors in learning word pronunciation through speech interaction	Zuo, Xiang ; et al.	2013	Vol. 55	Issue 1	190-203
Correction of whitespace and word segmentation in noisy Pashto text using CRF	Haq, Ijazul ; et al.	2023	Vol. 153		102970
Corrigendum to "Discrimination of L2 Greek vowel contrasts: Evidence from learners with Arabic L1 background" [Speech Communication 102 (2018) 68–77]	Georgiou, Georgios P.	2023	Vol. 147		118-118
Corrigendum to Modelling speaker-size discrimination with voiced and unvoiced speech sounds based on the effect of spectral lift, Speech Communication 136 (2022) 23–41	Matsui, Toshie ; et al.	2023	Vol. 147		116-117
Cosine metric learning based speaker verification	Bai, Zhongxin ; Zhang, Xiao-Lei ; Chen, Jingdong	2020	Vol. 118		10-20
Cross-corpus speech emotion recognition based on transfer non-negative matrix factorization	Song, Peng ; et al.	2016	Vol. 83		34-41
Cross-lingual adaptation of a CTC-based multilingual acoustic model	Tong, Sibo ; Garner, Philip N. ; Bourlard, Hervé	2018	Vol. 104		39-46
Cross-modal information fusion for voice spoofing detection	Xue, Junxiao ; et al.	2023	Vol. 147		41-50
Cry-based infant pathology classification using GMMs	Farsaie Alaie, Hesam ; Abou-Abbas, Lina ; Tadj, Chakib	2016	Vol. 77		28-52
Cued Speech automatic recognition in normal-hearing and deaf subjects	Heracleous, Panikos ; Beautemps, Denis ; Aboutabit, Noureddine	2010	Vol. 52	Issue 6	504-512
Curriculum Learning based approaches for robust end-to-end far-field speech recognition	Ranjan, Shivesh; Hansen, John H.L.	2021	Vol. 132		123-131
CyTex: Transforming speech to textured images for speech emotion recognition	Bakhshi, Ali ; Harimi, Ali ; Chalup, Stephan	2022	Vol. 139		62-75
D4C, a band-aperiodicity estimator for high-quality speech synthesis	Morise, Masanori	2016	Vol. 84		57-65
Data augmentation based non-parallel voice conversion with frame-level speaker disentangler	Chen, Bo ; Xu, Zhihang ; Yu, Kai	2022	Vol. 136		14-22
Data augmentation for speech separation	Alex, Ashish ; et al.	2023	Vol. 152		102949
Data augmentation using generative adversarial networks for robust speech recognition	Qian, Yanmin ; Hu, Hu ; Tan, Tian	2019	Vol. 114		1-9
Data-driven voice source waveform analysis and synthesis	Gudnason, Jon ; et al.	2012	Vol. 54	Issue 2	199-211
Deep ad-hoc beamforming based on speaker extraction for target-dependent speech separation	Yang, Ziye ; Guan, Shanzheng ; Zhang, Xiao-Lei	2022	Vol. 140		87-97

Deep Elman recurrent neural networks for statistical parametric speech synthesis	Achanta, Sivanand; Gangashetty, Suryakanth V.	2017	Vol. 93		31-42
Deep feature for text-dependent speaker verification	Liu, Yuan ; et al.	2015	Vol. 73		1-13
Deep features for automatic spoofing detection	Qian, Yanmin ; Chen, Nanxin ; Yu, Kai	2016	Vol. 85		43-52
Deep Gaussian process based multi-speaker speech synthesis with latent speaker representation	Mitsui, Kentaro ; Koriyama, Tomoki ; Saruwatari, Hiroshi	2021	Vol. 132		132-145
Deep learning for minimum mean-square error approaches to speech enhancement	Nicolson, Aaron ; Paliwal, Kuldip K.	2019	Vol. 111		44-55
Deep neural network acoustic models for spoken assessment applications	Cheng, Jian ; Chen, Xin ; Metallinou, Angeliki	2015	Vol. 73		14-27
Deep neural network based i-vector mapping for speaker verification using short utterances	Guo, Jinxi ; et al.	2018	Vol. 105		92-102
Deep-learning-based audio-visual speech enhancement in presence of Lombard effect	Michelsanti, Daniel ; et al.	2019	Vol. 115		38-50
DeepConversion: Voice conversion with limited parallel training data	Zhang, Mingyang ; et al.	2020	Vol. 122		31-43
Depression assessment in people with Parkinson's disease: The combination of acoustic features and natural language processing	Pérez-Toro, Paula Andrea ; et al.	2022	Vol. 145		10-20
DESCU: Dyadic emotional speech corpus and recognition system for Urdu language	Qasim, Muhammad ; et al.	2023	Vol. 148		40-52
Design and evaluation of acceleration strategies for speeding up the development of dialog applications	D'Haro, Luis Fernando ; et al.	2011	Vol. 53	Issue 8	1002-1025
Design, analysis and experimental evaluation of block based transformation in MFCC computation for speaker recognition	Sahidullah, Md. ; Saha, Goutam	2012	Vol. 54	Issue 4	543-565
Detecting anticipatory effects in speech articulation by means of spectral coefficient analyses	Feng, Yongqiang ; et al.	2011	Vol. 53	Issue 6	842-854
Detecting breathing sounds in realistic Japanese telephone conversations and its application to automatic speech recognition	Fukuda, Takashi ; Ichikawa, Osamu ; Nishimura, Masafumi	2018	Vol. 98		95-103
Detecting categorical perception in continuous discrimination data	Boersma, Paul ; Chládková, Kateřina	2013	Vol. 55	Issue 1	33-39
Detection and reconstruction of clipped speech for speaker recognition	Bie, Fanhu ; et al.	2015	Vol. 72		218-231
Detection of glottal closure instant and glottal open region from speech signals using spectral flatness measure	Kadiri, Sudarsana Reddy ; Prasad, RaviShankar ; Yegnanarayana, B.	2020	Vol. 116		30-43
Detection of nonnative speaker status from content-masked speech	Munro, Murray J.; Derwing, Tracey M.; Burgess, Clifford S.	2010	Vol. 52	Issue 7-8	626-637
Detection of overlapped speech using lapel microphones in meeting	Yokoyama, Ryō ; et al.	2013	Vol. 55	Issue 10	941-949
			_	_	

Detection of speaker individual information using a phoneme effect suppression method	Hyon, Songgun ; et al.	2014	Vol. 57		87-100
Detection of speech tampering using sparse representations and spectral manipulations based information hiding	Wang, Shengbei ; et al.	2019	Vol. 112		1-14
Determining spectral stability in vowels: A comparison and assessment of different metrics	Genette, Jérémy ; et al.	2023	Vol. 154		102984
Determining the relevance of different aspects of formant contours to intelligibility	Amano-Kusumoto, Akiko ; et al.	2014	Vol. 59		1-9
Developing automatic articulation, phonation and accent assessment techniques for speakers treated for advanced head and neck cancer	Clapham, Renee ; et al.	2014	Vol. 59		44-54
Development and structure of the VariaNTS corpus: A spoken Dutch corpus containing talker and linguistic variability	Arts, Floor ; Başkent, Deniz ; Tamati, Terrin N.	2021	Vol. 127		64-72
Development of a hybrid word recognition system and dataset for the Azerbaijani Sign Language dactyl alphabet	Hasanov, Jamaladdin ; et al.	2023	Vol. 153		102960
Development of a silent speech interface driven by ultrasound and optical images of the tongue and lips	Hueber, Thomas ; et al.	2010	Vol. 52	Issue 4	288-300
Development of a speech emotion recognizer for large-scale child-centered audio recordings from a hospital environment	Vaaras, Einari ; et al.	2023	Vol. 148		9-22
Development of a Thai phonetically balanced monosyllabic word recognition test: Derivation of phoneme distribution, word list construction, and response evaluations	Tantibundhit, Charturong ; et al.	2018	Vol. 103		1-10
Dialect classification using vowel acoustic parameters	Themistocleous, Charalambos	2017	Vol. 92		13-22
Dialect contact in real interactions and in an agent-based model	Ruch, Hanna	2021	Vol. 134		55-70
Dialogic ItAlian: the creation of a corpus of Italian spontaneous speech	Mereu, Daniela ; Vietti, Alessandro	2021	Vol. 130		1-14
Differences between listeners with early and late immersion age in spatial release from masking in various acoustic environments	Hui, C.T. Justine ; et al.	2022	Vol. 139		51-61
Differential constant-beamwidth beamforming with cube arrays	Itzhak, Gal ; Cohen, Israel	2023	Vol. 149		98-107
Differentiating tongue shapes for alveolar-postalveolar and alveolar-velar contrasts	Zharkova, Natalia	2019	Vol. 113		15-24
Dimensional paralinguistic information control based on multiple-regression HSMM for spontaneous dialogue speech synthesis with robust parameter estimation	Nagata, Tomohiro ; Mori, Hiroki ; Nose, Takashi	2017	Vol. 88		137-148
Discovering the phoneme inventory of an unwritten language: A machine-assisted approach	Kempton, Timothy ; Moore, Roger K.	2014	Vol. 56		152-166

Discrete cosine transform particle filter speech enhancement	Laska, Brady ; Bolić, Miodrag ; Goubran, Rafik	2010	Vol. 52	Issue 9	762-775
Discrimination of L2 Greek vowel contrasts: Evidence from learners with Arabic L1 background	Georgiou ; Georgios P.	2018	Vol. 102		68-77
Discrimination of speech from nonspeech in broadcast news based on modulation frequency features	Markaki, Maria ; Stylianou, Yannis	2011	Vol. 53	Issue 5	726-735
Discriminative Keyword Spotting for limited-data applications	Benisty, Hadas ; et al.	2018	Vol. 99		1-11
Discriminative neural network pruning in a multiclass environment: A case study in spoken emotion recognition	Sánchez-Gutiérrez, Máximo E. ; González-Pérez, Pedro P.	2020	Vol. 120		20-30
Discriminative re-ranking for automatic speech recognition by leveraging invariant structures	Suzuki, Masayuki ; et al.	2015	Vol. 72		208-217
Discriminative speaker embedding with serialized multi-layer multi-head attention	Zhu, Hongning ; Lee, Kong Aik ; Li, Haizhou	2022	Vol. 144		89-100
Disgust expressive speech: The acoustic consequences of the facial expression of emotion	Chong, Chee Seng ; Kim, Jeesun ; Davis, Chris	2018	Vol. 98		68-72
Disordered voice measurement and auditory analysis	Howard, David M.; Abberton, Evelyn; Fourcin, Adrian	2012	Vol. 54	Issue 5	611-621
Displaying prosodic text to enhance expressive oral reading	Patel, Rupal; McNab, Catherine	2011	Vol. 53	Issue 3	431-441
Distant speech separation using predicted time-frequency masks from spatial features	Pertilä, Pasi ; Nikunen, Joonas	2015	Vol. 68		97-106
Distributed-microphones based in-vehicle speech enhancement via sparse and low-rank spectrogram decomposition	Li, Xuliang ; et al.	2018	Vol. 98		51-62
Dithering techniques in automatic recognition of speech corrupted by MP3 compression: Analysis, solutions and experiments	Borsky, Michal ; et al.	2017	Vol. 86		75-84
DNN controlled adaptive front-end for replay attack detection systems	Wickramasinghe, Buddhi ; et al.	2023	Vol. 154		102973
DNN-based performance measures for predicting error rates in automatic speech recognition and optimizing hearing aid parameters	Castro Martinez, Angel Mario ; et al.	2019	Vol. 106		44-56
DNNs for unsupervised extraction of pseudo speaker-normalized features without explicit adaptation data	Joy, Neethu Mariam ; Baskar, Murali Karthick ; Umesh, S.	2017	Vol. 92		64-76
Do nonnative listeners benefit as much as native listeners from spatial cues that release speech from masking?	Ezzatian, Payam ; Avivi, Meital ; Schneider, Bruce A.	2010	Vol. 52	Issue 11-12	919-929
Does our speech change when we cannot gesture?	Hoetjes, Marieke ; Krahmer, Emiel ; Swerts, Marc	2014	Vol. 57		257-267
Duration of the rhotic approximant /ɹ/ in spastic dysarthria of different severity	Gurugubelli, Krishna ; et al.	2020	Vol. 125		61-68
	I .			1	1

levels					
Dynamic lip animation from a limited number of control points: Towards an effective audiovisual spoken communication	Ouni, Slim ; Gris, Guillaume	2018	Vol. 96		49-57
Dysarthria severity classification using multi-head attention and multi-task learning	Joshy, Amlu Anna ; Rajan, Rajeev	2023	Vol. 147		1-11
Dysarthric speech classification from coded telephone speech using glottal features	Narendra, N.P. ; Alku, Paavo	2019	Vol. 110		47-55
Effect of articulatory and acoustic features on the intelligibility of speech in noise: An articulatory synthesis study	Ngo, Thuanvan ; Akagi, Masato ; Birkholz, Peter	2020	Vol. 117		13-20
Effect of prior exposure on the perception of Japanese vowel length contrast in reverberation for nonnative listeners	Osawa, Eri ; et al.	2021	Vol. 134		1-11
Effect of processing-based and microphone-based noise reduction algorithms on intelligibility-related acoustic features: A parametric investigation study	Kim, Heepyung ; et al.	2016	Vol. 78		11-18
	Lesimple, Christophe ; Simon, Barbara ; Tantau, Julie	2018	Vol. 99		47-55
Effect of the degree of sensorineural hearing impairment on the results of subjective evaluations of a noise-reduction algorithm	Kim, Jinryoul ; et al.	2015	Vol. 68		1-10
Effective word count estimation for long duration daily naturalistic audio recordings	Ziaei, Ali ; Sangwan, Abhijeet ; Hansen, John H.L.	2016	Vol. 84		15-23
Effects of aging on the ability to benefit from prior knowledge of message content in masked speech recognition	Wu, Meihong ; et al.	2012	Vol. 54	Issue 4	529-542
Effects of consonant cluster syllabification on vowel-to-vowel coarticulation in English	Mok, Peggy P.K.	2012	Vol. 54	Issue 8	946-956
Effects of energetic and informational masking on speech segmentation by native and non-native speakers	Mattys, Sven L. ; et al.	2010	Vol. 52	Issue 11-12	887-899
	Holt, Rebecca ; Bruggeman, Laurence ; Demuth, Katherine	2023	Vol. 146		11-21
Effects of native language on compensation for coarticulation	Kang, Shinae ; Johnson, Keith ; Finley, Gregory	2016	Vol. 77		84-100
Effects of noise on arousal in a speech communication setting	Cvijanović, Nemanja ; et al.	2017	Vol. 88		127-136
Effects of perturbation and prosody on the coordination of speech and gesture	Rusiewicz, Heather Leavy ; et al.	2014	Vol. 57		283-300
	Pichitpornchai, Chailerd ; Arunphalungsanti, Kittipun	2016	Vol. 85		1-7
Effects of telephone transmission on the performance of formant-trajectory-	Zhang, Cuiling ; et al.	2013	Vol. 55	Issue 6	796-813

based forensic voice comparison – Female voices					
Effects of the piriform fossae, transvelar acoustic coupling, and laryngeal wall vibration on the naturalness of articulatory speech synthesis	Birkholz, Peter ; Drechsel, Susanne	2021	Vol. 132		96-105
Effects of urgent speech and congruent/incongruent text on speech intelligibility for older adults in the presence of noise and reverberation	Hodoshima, Nao	2021	Vol. 134		12-19
Efficiency and usability study of innovative computer-aided transcription strategies for video lecture repositories	Valor Miró, Juan Daniel ; et al.	2015	Vol. 74		65-75
Efficient acoustic feature transformation in mismatched environments using a Guided-GAN	Heymans, Walter ; Davel, Marelie H. ; Heerden, Charl van	2022	Vol. 143		10-20
Efficient and reliable perceptual weight tuning for unit-selection text-to-speech synthesis based on active interactive genetic algorithms: A proof-of-concept	Alías, Francesc ; Formiga, Lluís ; Llorá, Xavier	2011	Vol. 53	Issue 5	786-800
Efficient training of discriminative language models by sample selection	Oba, Takanobu ; Hori, Takaaki ; Nakamura, Atsushi	2012	Vol. 54	Issue 6	791-800
Efficient two-stage processing for joint sequence model-based Thai grapheme-to-phoneme conversion	Rugchatjaroen, Anocha ; et al.	2019	Vol. 106		105-111
Egyptian Arabic speech emotion recognition using prosodic, spectral and wavelet features	Abdel-Hamid, Lamiaa	2020	Vol. 122		19-30
Eigentrigraphemes for under-resourced languages	Ko, Tom ; Mak, Brian	2014	Vol. 56		132-141
Emotion in the voice influences the way we scan emotional faces	Rigoulot, Simon ; Pell, Marc D.	2014	Vol. 65		36-49
Emotion recognition using a hierarchical binary decision tree approach	Lee, Chi-Chun ; et al.	2011	Vol. 53	Issue 9-10	1162-1171
Emotional states in judicial courtrooms: An experimental investigation	Fersini, E.; Messina, E.; Archetti, F.	2012	Vol. 54	Issue 1	11-22
Emotional voice conversion: Theory, databases and ESD	Zhou, Kun ; et al.	2022	Vol. 137		1-18
Empirical Mode Decomposition for adaptive AM-FM analysis of Speech: A Review	Sharma, Rajib ; et al.	2017	Vol. 88		39-64
End-to-end acoustic modeling using convolutional neural networks for HMM-based automatic speech recognition	Palaz, Dimitri ; Magimai-Doss, Mathew ; Collobert, Ronan	2019	Vol. 108		15-32
End-to-end acoustic modelling for phone recognition of young readers	Gelin, Lucile ; et al.	2021	Vol. 134		71-84
End-to-end audiovisual speech activity detection with bimodal recurrent neural models	Tao, Fei ; Busso, Carlos	2019	Vol. 113		25-35
Enhanced feature network for monaural singing voice separation	Yuan, Weitao ; et al.	2019	Vol. 106		1-6
Enhancement of cleft palate speech using temporal and spectral processing	Sudro, Protima Nomo ; Prasanna, S. R. Mahadeva	2020	Vol. 123		70-82
Enhancement of emotion detection in spoken dialogue systems by combining	López-Cózar, Ramón ; Silovsky, Jan ; Kroul,	2011	Vol. 53	Issue 9-10	1210-1228
	1		-		

several information sources	Martin				
Enhancement of formant regions in magnitude spectra to develop children's KWS system in zero resource scenario	Rout, Jayant Kumar ; Pradhan, Gayadhar	2022	Vol. 144		101-109
Enhancement of noisy speech by temporal and spectral processing	Krishnamoorthy, P.; Prasanna, S.R.M.	2011	Vol. 53	Issue 2	154-174
Enhancement of single channel speech using perceptual-decision-directed approach	Lu, Ching-ta	2011	Vol. 53	Issue 4	495-507
Enhancement of speech perception in noise by periodicity processing: A neurobiological model and signal processing algorithm	McLachlan, Neil M. ; Grayden, David B.	2014	Vol. 57		114-125
Enhancing speech at very low signal-to-noise ratios using non-acoustic reference signals	Milner, Ben	2013	Vol. 55	Issue 9	879-892
Ensemble environment modeling using affine transform group	Tsao, Yu; et al.	2015	Vol. 68		55-68
Entrainment profiles: Comparison by gender, role, and feature set	Reichel, Uwe D., Beňuš, Štefan ; Mády, Katalin	2018	Vol. 100		46-57
Entropy coding of compressed feature parameters for distributed speech recognition	Lee, Young Han ; Kim, Hong Kook	2010	Vol. 52	Issue 5	405-412
Environment-adaptive speech enhancement for bilateral cochlear implants using a single processor	Mirzahasanloo, Taher S. ; et al.	2013	Vol. 55	Issue 4	523-534
Epoch detection from emotional speech signal using zero time windowing	Yadav, Jainath ; Fahad, Md. Shah ; Sreenivasa Rao, K.	2018	Vol. 96		142-149
Epoch extraction from emotional speech using single frequency filtering approach	Kadiri, Sudarsana Reddy ; Yegnanarayana, B.	2017	Vol. 86		52-63
Erratum to 'Indonesian syllabification using a pseudo nearest neighbour rule and phonotactic knowledge' [Speech Communication 85 (2016) 109–118]	Suyanto, Suyanto ; et al.	2017	Vol. 90		47-47
Erratum to "Comprehensive many-to-many phoneme-to-viseme mapping and its application for concatenative visual speech synthesis" [SPECOM 55/7-8 (2013) 857–876]	Mattheyses, Wesley ; Latacz, Lukas ; Verhelst, Werner	2013	Vol. 55	Issue 7-8	877-877
Erratum to "Disordered voice measurement and auditory analysis" [Speech Comm. 54 (2012) 611–621]	Howard, David M. ; Abberton, Evelyn ; Fourcin, Adrian	2012	Vol. 54	Issue 6	844-844
Erratum to "Evaluation of Batvox 4.1 under conditions reflecting those of a real forensic voice comparison case (forensic_eval_01)" [Speech Communication 85 (2016) 127–130]	Vloed, David van der	2017	Vol. 92		23-23
Error detection and accuracy estimation in automatic speech recognition using deep bidirectional recurrent neural networks	Ogawa, Atsunori ; Hori, Takaaki	2017	Vol. 89		70-83
Estimation of relevant time–frequency features using Kendall coefficient for articulator position inference	Sepúlveda, Alexander ; Guido, Rodrigo Capobianco ; Castellanos-Dominguez, G.	2013	Vol. 55	Issue 1	99-110

Estimation of the glottal flow from speech pressure signals: Evaluation of three variants of iterative adaptive inverse filtering using computational physical modelling of voice production	Mokhtari, Parham ; et al.	2018	Vol. 104		24-38
Estimation of the glottal source from coded telephone speech using deep neural networks	Narendra, N.P. ; et al.	2019	Vol. 106		95-104
Estonian words in noise test for children (EWINc)	Veispak, Anneli ; et al.	2016	Vol. 77		1-7
Evaluating a distortion-weighted glimpsing metric for predicting binaural speech intelligibility in rooms	Tang, Yan ; et al.	2016	Vol. 82		26-37
Evaluating the intelligibility benefit of speech modifications in known noise conditions	Cooke, Martin ; et al.	2013	Vol. 55	Issue 4	572-585
Evaluation of a method for vowel-specific voice source control of an electrolarynx using visual information	Wu, Liang; et al.	2014	Vol. 57		39-49
Evaluation of an automated speech-controlled listening test with spontaneous and read responses	Ooster, Jasper ; et al.	2018	Vol. 98		85-94
Evaluation of Batvox 3.1 under conditions reflecting those of a real forensic voice comparison case (forensic_eval_01)	Zhang, Cuiling ; Tang, Chang	2018	Vol. 100		13-17
Evaluation of Batvox 4.1 under conditions reflecting those of a real forensic voice comparison case (forensic_eval_01)	Vloed, David van der	2016	Vol. 85		127-130
Evaluation of glottal closure instant detection in a range of voice qualities	Kane, John ; Gobl, Christer	2013	Vol. 55	Issue 2	295-314
Evaluation of MSR Identity Toolbox under conditions reflecting those of a real forensic case (forensic_eval_01)	Silva, Dirceu G. da ; Medina, César A.	2017	Vol. 94		42-49
Evaluation of Nuance Forensics 9.2 and 11.1 under conditions reflecting those of a real forensic voice comparison case (forensic_eval_01)	Jessen, Michael ; Meir, Gur ; Solewicz, Yosef A.	2019	Vol. 110		101-107
Evaluation of Phonexia automatic speaker recognition software under conditions reflecting those of a real forensic voice comparison case (forensic_eval_01)	Jessen, Michael ; et al.	2019	Vol. 111		22-28
Evaluation of synthetic and natural Mandarin visual speech: Initial consonants, single vowels, and syllables	Chen, Trevor H.; Massaro, Dominic W.	2011	Vol. 53	Issue 7	955-972
Evaluation of VOCALISE under conditions reflecting those of a real forensic voice comparison case (forensic_eval_01)	Kelly, Finnian ; et al.	2019	Vol. 112		30-36
Examining visible articulatory features in clear and plain speech	Tang, Lisa Y.W. ; et al.	2015	Vol. 75		1-13
Exploiting temporal correlation in pitch-adaptive speech enhancement	Stahl, Johannes ; Mowlaee, Pejman	2019	Vol. 111		1-13

Exploiting ultrasound tongue imaging for the automatic detection of speech articulation errors	Ribeiro, Manuel Sam ; et al.	2021	Vol. 128		24-34
Exploring similarity-based classification of larynx disorders from human voice	Vaičiukynas, Evaldas ; et al.	2012	Vol. 54	Issue 5	601-610
Exploring the effects of restraining the use of gestures on narrative speech	Cravotta, Alice ; Prieto, Pilar ; Busà, M. Grazia	2021	Vol. 135		25-36
Exploring the relationship between intonation and the lexicon: Evidence for lexicalised storage of intonation	Schweitzer, Katrin ; et al.	2015	Vol. 66		65-81
Exploring the relationship between voice similarity estimates by listeners and by an automatic speaker recognition system incorporating phonetic features	Gerlach, Linda ; et al.	2020	Vol. 124		85-95
Exploring the use of unsupervised query modeling techniques for speech recognition and summarization	Chen, Kuan-Yu ; et al.	2016	Vol. 80		49-59
Extension of the single-matrix formulation of the vocal tract: Consideration of bilateral channels and connection of self-oscillating models of the vocal folds with a glottal chink	Elie, Benjamin ; Laprie, Yves	2016	Vol. 82		85-96
Extracting amplitude modulations from speech in the time domain	Prendergast, Garreth; Johnson, Sam R.; Green, Gary G.R.	2011	Vol. 53	Issue 6	903-913
Extraction of formant bandwidths using properties of group delay functions	Medabalimi, Anand Joseph Xavier ; Seshadri, Guruprasad ; Yegnanarayana, Bayya	2014	Vol. 63-64		70-83
Eyebrow raises in dialogue and their relation to discourse structure, utterance function and pitch accents in English	Flecha-García, María L.	2010	Vol. 52	Issue 6	542-554
FO declination and reset in read speech of African American and White American women	Holt, Yolanda Feimster ; Rangarathnam, Balaji	2018	Vol. 97		43-50
FO declination in English and Mandarin Broadcast News Speech	Yuan, Jiahong ; Liberman, Mark	2014	Vol. 65		67-74
Facemask occlusion's impact on L2 listening comprehension	Lee, Bradford J. ; Hart, Edwin T.	2022	Vol. 139		45-50
Factorized WaveNet for voice conversion with limited data	Du, Hongqiang ; et al.	2021	Vol. 130		45-54
Factors affecting i-vector based foreign accent recognition: A case study in spoken Finnish	Behravan, Hamid ; Hautamäki, Ville ; Kinnunen, Tomi	2015	Vol. 66		118-129
Factors predicting human performance in error annotation for non-native speech corpus	Wang, Wei. ; Zhang, Jinsong	2023	Vol. 149		38-46
Fast algorithms for high-order sparse linear prediction with applications to speech processing	Lindstrøm Jensen, Tobias ; et al.	2016	Vol. 76		143-156
Fast and robust formant detection from LP data	Smit, Thorsten ; Türckheim, Friedrich ; Mores, Robert	2012	Vol. 54	Issue 7	893-902
Fast distributed multichannel speech enhancement using novel frequency	Tu, Jingxian ; Youshen ; Xia	2015	Vol. 72		96-108
	I .		-1	1	

domain estimators of magnitude-squared spectrum					
Feasibility of augmenting text with visual prosodic cues to enhance oral reading	Patel, Rupal; Kember, Heather; Natale, Sara	2014	Vol. 65		109-118
Feature mapping using far-field microphones for distant speech recognition	Himawan, Ivan ; et al.	2016	Vol. 83		1-9
Feature normalization based on non-extensive statistics for speech recognition	Pardede, Hilman F. ; Iwano, Koji ; Shinoda, Koichi	2013	Vol. 55	Issue 5	587-599
Feature selection for reduced-bandwidth distributed speech recognition	Flynn, Ronan ; Jones, Edward	2012	Vol. 54	Issue 6	836-843
Feature selection using singular value decomposition and QR factorization with column pivoting for text-independent speaker identification	Chakroborty, Sandipan ; Saha, Goutam	2010	Vol. 52	Issue 9	693-709
Feature sparsity analysis for i-vector based speaker verification	Li, Wei ; et al.	2016	Vol. 80		60-70
Feature subset selection for improved native accent identification	Wu, Tingyao ; et al.	2010	Vol. 52	Issue 2	83-98
Feature-switching: Dynamic feature selection for an i-vector based speaker verification system	Saranya, M.S. ; Padmanabhan, R. ; Murthy, Hema A.	2017	Vol. 93		53-62
Features and results of a speech improvement experiment on hard of hearing children	Czap, László ; Pintér, Judit Mária ; Baksa-Varga, Erika	2019	Vol. 106		7-20
Feedback and imitation by a caregiver guides a virtual infant to learn native phonemes and the skill of speech inversion	Rasilo,Heikki ; Räsänen, Okko ; Laine, Unto K.	2013	Vol. 55	Issue 9	909-931
Finding relevant features for zero-resource query-by-example search on speech	Lopez-Otero, Paula ; Docio-Fernandez, Laura ; Garcia-Mateo, Carmen	2016	Vol. 84		24-35
Fine granularity scalable speech coding using embedded tree-structured vector quantization	Djamah, Mouloud ; O'Shaughnessy, Douglas	2012	Vol. 54	Issue 1	23-39
First coarse, fine afterward: A lightweight two-stage complex approach for monaural speech enhancement	Dang, Feng ; et al.	2023	Vol. 146		32-44
Foreign accent strength and intelligibility at the segmental level	Pérez-Ramón, Rubén ; García Lecumberri, María Luisa ; Cooke, Martin	2022	Vol. 137		70-76
Formant measurement in children's speech based on spectral filtering	Story, Brad H. ; Bunton, Kate	2016	Vol. 76		93-111
Formant position based weighted spectral features for emotion recognition	Bozkurt, Elif ; et al.	2011	Vol. 53	Issue 9-10	1186-1197
Fourier model based features for analysis and classification of out-of-breath speech	Deb, Suman ; Dandapat, S.	2017	Vol. 90		1-14
Fractional feature-based speech enhancement with deep neural network	Xu, Liyun ; Zhang, Tong	2023	Vol. 153		102971
Frame-wise model re-estimation method based on Gaussian pruning with weight normalization for noise robust voice activity detection	Fujimoto, Masakiyo ; Watanabe, Shinji ; Nakatani, Tomohiro	2012	Vol. 54	Issue 2	229-244
Frequency importance function of the speech intelligibility index for Mandarin Chinese	Chen, Jing ; Huang, Qiang ; Wu, Xihong	2016	Vol. 83		94-103

Frequent-words analysis for forensic speaker comparison	Sergidou, Eleni-Konstantina ; et al.	2023	Vol. 150		1-8
Front-end speech enhancement for commercial speaker verification systems	Eskimez, Sefik Emre ; et al.	2018	Vol. 99		101-113
Fundamental frequency feature warping for frequency normalization and data augmentation in child automatic speech recognition	Yeung, Gary ; Fan, Ruchao ; Alwan, Abeer	2021	Vol. 135		1-10
Fusing features of speech for depression classification based on higher-order spectral analysis	Miao, Xiaolin ; et al.	2022	Vol. 143		46-56
Fusion of bottleneck, spectral and modulation spectral features for improved speaker verification of neutral and whispered speech	Sarria-Paja, Milton ; Falk, Tiago H.	2018	Vol. 102		78-86
Fusion of deep learning features with mixture of brain emotional learning for audio-visual emotion recognition	Zeinab Farhoudi, Setayeshi, Saeed	2021	Vol. 127		92-103
Fusion of parametric and non-parametric approaches to noise-robust ASR	Sun, Yang ; et al.	2014	Vol. 56		49-62
Fusion-based speech emotion classification using two-stage feature selection	Xie, Jie ; Zhu, Mingying ; Hu, Kai	2023	Vol. 152		102955
Gaze, conversational agents and face-to-face communication	Bailly, Gérard ; Raidt, Stephan ; Elisei, Frédéric	2010	Vol. 52	Issue 6	598-612
GEDI: Gammachirp envelope distortion index for predicting intelligibility of enhanced speech	Yamamoto, Katsuhiko ; et al.	2020	Vol. 123		43-58
General hybrid framework for uncertainty-decoding-based automatic speech recognition systems	Hussen Abdelaziz, Ahmed ; Kolossa, Dorothea	2016	Vol. 79		1-13
Generalized maximum a posteriori spectral amplitude estimation for speech enhancement	Tsao, Yu ; Lai, Ying-Hui	2016	Vol. 76		112-126
Generating tonal distinctions in Mandarin Chinese using an electrolarynx with preprogrammed tone patterns	Guo, Liana ; Nagle, Kathleen F. ; Heaton, James T.	2016	Vol. 78		34-41
Gesture and speech in interaction: An overview. (Guest Editorial)	Wagner, Petra ; Malisz, Zofia ; Kopp, Stefan	2014	Vol. 57		209-232
Gesture synthesis adapted to speech emphasis	Fernández-Baena, Adso ; et al.	2014	Vol. 57		331-350
Glottal flow characteristics in vowels produced by speakers with heart failure	Reddy, Mittapalle Kiran ; et al.	2022	Vol. 137		35-43
Glottal inverse filtering by combining a constrained LP and an HMM-based generative model of glottal flow derivative	Sasou, Akira	2018	Vol. 104		113-128
GM-TCNet: Gated Multi-scale Temporal Convolutional Network using Emotion Causality for Speech Emotion Recognition	Ye, Jia-Xin ; et al.	2022	Vol. 145		21-35
Golden speaker builder – An interactive tool for pronunciation training	Ding, Shaojin ; et al.	2019	Vol. 115		51-66
GPR-based Thai speech synthesis using multi-level duration prediction	Moungsri, Decha ; Koriyama, Tomoki ; Kobayashi, Takao	2018	Vol. 99		114-123
Greedy double sparse dictionary learning for sparse representation of speech signals	Abrol, V. ; Sharma, P. ; Sao, A.K.	2016	Vol. 85		71-82

Guest Editorial	Denby, Bruce ; Schultz, Tanja ; Honda, Kiyoshi	2010	Vol. 52	Issue 4	269-269
Handling pain: The semantic interplay of speech and co-speech hand gestures in the description of pain sensations	Rowbotham, Samantha ; et al.	2014	Vol. 57		244-256
Harmonic beamformers for speech enhancement and dereverberation in the time domain	Jensen, J.R. ; et al.	2020	Vol. 116		1-11
Hearing words helps seeing words: A cross-modal word repetition effect	Zande, Patrick van der ; Jesse, Alexandra ; Cutler, Anne	2014	Vol. 59		31-43
Hierarchical and parallel processing of auditory and modulation frequencies for automatic speech recognition	Valente, Fabio	2010	Vol. 52	Issue 10	790-800
Hierarchical sparse coding framework for speech emotion recognition	Torres-Boza, Diana ; et al.	2018	Vol. 99		80-89
Hierarchical stress modeling and generation in mandarin for expressive Text-to-Speech	Li, Ya ; et al.	2015	Vol. 72		59-73
HiLAM-state discriminative multi-task deep neural network in dynamic time warping framework for text-dependent speaker verification	Laskar, Mohammad Azharuddin ; Laskar, Rabul Hussain	2020	Vol. 121		29-43
HMM-based generation of laughter facial expression	Çakmak, Hüseyin ; Dutoit, Thierry	2018	Vol. 98		28-41
HMM-based unit selection speech synthesis using log likelihood ratios derived from perceptual data	Xia, Xian-Jun ; et al.	2014	Vol. 63-64		27-37
How emotional prosody guides your way: Evidence from eye movements	Paulmann, Silke ; Titone, Debra ; Pell, Marc D.	2012	Vol. 54	Issue 1	92-107
How modeling entrance loss and flow separation in a two-mass model affects the oscillation and synthesis quality	Birkholz, Peter ; Pape, Daniel	2019	Vol. 110		108-116
How to manage sound, physiological and clinical data of 2500 dysphonic and dysarthric speakers?	Ghio, A. ; et al.	2012	Vol. 54	Issue 5	664-679
Human-inspired modulation frequency features for noise-robust ASR	Ahmadi, Sara ; et al.	2016	Vol. 84		66-82
Hybrid convolutional neural networks for articulatory and acoustic information based speech recognition	Mitra, Vikramjit ; et al.	2017	Vol. 89		103-112
i-Vector with sparse representation classification for speaker verification	Kua, Jia Min Karen ; Epps, Julien ; Ambikairajah, Eliathamby	2013	Vol. 55	Issue 5	707-720
Identification of multi-speaker Mandarin tones in noise by native and non- native listeners	Lee, Chao-Yang ; Tao, Liang ; Bond, Z.S.	2010	Vol. 52	Issue 11-12	900-910
Identity Retention and Emotion Converted StarGAN for low-resource emotional speaker recognition	Li, Dongdong ; et al.	2023	Vol. 151		39-51
IITG-HingCoS corpus: A Hinglish code-switching database for automatic speech recognition	Ganji, Sreeram ; Dhawan, Kunal ; Sinha, Rohit	2019	Vol. 110		76-89

ILMSAF based speech enhancement with DNN and noise classification	Li, Ruwei ; et al.	2016	Vol. 85		53-70
Impact of SNR and gain-function over- and under-estimation on speech intelligibility	Chen, Fei ; Loizou, Philipos C.	2012	Vol. 54	Issue 2	272-281
Impact of vocal effort variability on automatic speech recognition	Zelinka, Petr ; Sigmund, Milan ; Schimmel, Jiří	2012	Vol. 54	Issue 6	732-742
Impacts of machine translation and speech synthesis on speech-to-speech translation	Hashimoto, Kei ; et al.	2012	Vol. 54	Issue 7	857-866
mproved chirp group delay based algorithms with applications to vocal tract estimation and speech recognition.	Jayesh, M.K.; Ramalingam, C.S.	2016	Vol. 81		72-89
mproved embedded pre-whitening subspace approach for enhancing speech contaminated by colored noise	Kalantari, Mohammad ; Gooran, Soroush Rostami ; Kanan, Hamidreza Rashidy	2018	Vol. 99		12-26
mproved likelihood ratio test based voice activity detector applied to speech recognition	Górriz, J.M. ; et al.	2010	Vol. 52	Issue 7-8	664-677
Improved mispronunciation detection with deep neural network trained acoustic models and transfer learning based logistic regression classifiers	Hu, Wenping ; et al.	2015	Vol. 67		154-166
mproved subject-independent acoustic-to-articulatory inversion	Afshan, Amber ; Ghosh, Prasanta Kumar	2015	Vol. 66		1-16
mprovement to a NAM-captured whisper-to-speech system	Tran, Viêt Anh ; et al.	2010	Vol. 52	Issue 4	314-326
Improving children's mismatched ASR using structured low-rank feature projection	Shahnawazuddin, S. ; et al.	2018	Vol. 105		103-113
Improving generative adversarial networks for speech enhancement through regularization of latent representations	Yang, Fan ; et al.	2020	Vol. 118		1-9
mproving HMM speech synthesis of interrogative sentences by pitch track transformations	Nagy, Péter ; Némethy, Géza	2016	Vol. 82		97-112
mproving human scoring of prosody using parametric speech synthesis	Prafianto, Hafiyan ; et al.	2019	Vol. 111		14-21
Improving multilingual speech emotion recognition by combining acoustic features in a three-layer model	Li, Xingfeng ; Akagi, Masato	2019	Vol. 110		1-12
Improving objective intelligibility prediction by combining correlation and coherence based methods with a measure based on the negative distortion ratio	Gómez, Angel M. ; Schwerin, Belinda ; Paliwal, Kuldip	2012	Vol. 54	Issue 3	503-515
Improving phone duration modelling using support vector regression fusion	Lazaridis, Alexandros ; et al.	2011	Vol. 53	Issue 1	85-97
mproving phoneme recognition of throat microphone speech recordings using transfer learning	Tuğtekin Turan, M. A. ; Erzin, Engin	2021	Vol. 129		25-32
Improving proper name recognition by means of automatically learned pronunciation variants	Réveil, Bert ; Martens, Jean-Pierre ; Heuvel, H. van den	2012	Vol. 54	Issue 3	321-340

Improving short utterance i-vector speaker verification using utterance variance modelling and compensation techniques	Kanagasundaram, A. ; et al.	2014	Vol. 59		69-82
Improving speaker de-identification with functional data analysis of f0 trajectories	Tavi, Lauri ; Kinnunen, Tomi ; González Hautamäki, Rosa	2022	Vol. 140		1-10
Improving speaker verification performance against long-term speaker variability	Wang, Linlin ; et al.	2016	Vol. 79		14-29
Improving the automatic segmentation of subtitles through conditional random field	Álvarez, Aitor ; et al.	2017	Vol. 88		83-95
In-set/out-of-set speaker recognition in sustained acoustic scenarios using sparse data	Hansen, John H.L.; Suh, Jun-Won; Leonard, Matthew R.	2013	Vol. 55	Issue 6	769-781
Incorporating group update for speech enhancement based on convolutional gated recurrent network	Yuan, Wenhao	2021	Vol. 132		32-39
Increasing speech intelligibility and naturalness in noise based on concepts of modulation spectrum and modulation transfer function	Ngo, Thuanvan ; Kubo, Rieko ; Akagi, Masato	2021	Vol. 135		11-24
Incremental word learning: Efficient HMM initialization and large margin discriminative adaptation	Ayllón Clemente, Irene ; Heckmann, Martin ; Wrede, Britta	2012	Vol. 54	Issue 9	1029-1048
Index-based incremental language model for scalable directory assistance	Moreno-Daniel, Antonio ; Wilpon, Jay ; Juang, B.H.	2012	Vol. 54	Issue 3	351-367
Individual differences in acoustic-prosodic entrainment in spoken dialogue	Weise, Andreas ; et al.	2019	Vol. 115		78-87
Indonesian syllabification using a pseudo nearest neighbour rule and phonotactic knowledge	Suyanto, Suyanto ; et al.	2016	Vol. 85		109-118
Infant cry reliability: Acoustic homogeneity of spontaneous cries and pain-induced cries	Etz, Tanja ; et al.	2014	Vol. 58		91-100
Infants temporally coordinate gesture-speech combinations before they produce their first words	Esteve-Gibert, Núria ; Prieto, Pilar	2014	Vol. 57		301-316
Influence of binary mask estimation errors on robust speaker identification	May, Tobias	2017	Vol. 87		40-48
Influence of English r-resonances on intelligibility of speech in noise for native English and German listeners	Heinrich, Antje ; Flory, Yvonne ; Hawkins, Sarah	2010	Vol. 52	Issue 11-12	1038-1055
Influence of visual cues on head and eye movements during listening tasks in multi-talker audiovisual environments with animated characters	Hendrikse, Maartje M. E ; et al.	2018	Vol. 101		70-84
Influence relation estimation based on lexical entrainment in conversation	lwata, Tomoharu ; Watanabe, Shinji	2013	Vol. 55	Issue 2	329-339
Information transmission analysis for continuous speech features	Oosthuizen, Dirk J.J. ; Hanekom, Johan J.	2016	Vol. 82		53-66
Integrating lexical and prosodic features for automatic paragraph segmentation	Lai, Catherine ; Farrús, Mireia ; Moore, Johanna	2020	Vol. 121		44-57

	D.				
Integrating meta-information into recurrent neural network language models	Shi, Yangyang ; et al.	2015	Vol. 73		64-80
Intelligibility of time-compressed synthetic speech: Compression method and speaking style	Valentini-Botinhao, Cassia ; et al.	2015	Vol. 74		52-64
Intelligibility predictors and neural representation of speech	Lobdell, B.E.; Allen, J.B.; Hasegawa-Johnson, M.A.	2011	Vol. 53	Issue 2	185-194
Interaction between speech variations and background noise on speech intelligibility by Mandarin-speaking cochlear implant patients	Shi, Ying ; et al.	2018	Vol. 104		89-94
Interaction Quality: Assessing the quality of ongoing spoken dialog interaction by experts—And how it relates to user satisfaction	Schmitt, Alexander ; Ultes, Stefan	2015	Vol. 74		12-36
Intervocalic fricative perception in European Portuguese: An articulatory synthesis study	Pape, Daniel ; Jesus, Luis M.T. ; Birkholz, Peter	2015	Vol. 74		93-103
Intonation modelling using a muscle model and perceptually weighted matching pursuit	Honnet, Pierre-Edouard ; et al.	2018	Vol. 97		81-93
Intonational alignment in second language acquisition	Ulbrich, Christiane ; Canzi, Massimiliano	2023	Vol. 146		70-81
Intra-gender statistical singing voice conversion with direct waveform modification using log-spectral differential	Kobayashi, Kazuhiro ; Toda, Tomoki ; Nakamura, Satoshi	2018	Vol. 99		211-220
Introducing ISAP and MATSS: Mental stress induced speech utterance procedure and obtained dataset	Singh, Bhupendra ; Phartiyal, Gopal Singh	2022	Vol. 145		1-9
Introducing nativization to Spanish TTS systems	Polyákova, Tatyana ; Bonafonte, Antonio	2011	Vol. 53	Issue 8	1026-1041
Introduction to the special issue on auditory-visual expressive speech and gesture in humans and machines	Kim, Jeesun ; Bailly, Gérard ; Davis, Chris	2018	Vol. 98		63-67
Introduction to the special issue on processing under-resourced languages (Editorial)	Besacier, Laurent ; et al.	2014	Vol. 56		83-84
Introduction to the special issue on sensing emotion and affect – Facing realism in speech processing. (Editorial)	Schuller, Björn ; Batliner, Anton ; Steidl, Stefan	2011	Vol. 53	Issue 9-10	1059-1061
Investigating a neural all pass warp in modern TTS applications	Schnell, Bastian ; Garner, Philip N.	2022	Vol. 138		26-37
Investigating automatic measurements of prosodic accommodation and its dynamics in social interaction	Looze, Céline de ; et al.	2014	Vol. 58		11-34
Investigating different representations for modeling and controlling multiple emotions in DNN-based speech synthesis	Lorenzo-Trueba, Jaime ; et al.	2018	Vol. 99		135-143
Investigating prosodic entrainment from global conversations to local turns and tones in Mandarin conversations	Xia, Zhihua ; Hirschberg, Julia ; Levitan, Rivka	2023	Vol. 153		102961

Investigating the impact of lip visibility and talking style on speechreading performance	Lander, Karen ; Capek, Cheryl	2013	Vol. 55	Issue 5	600-605
Investigating very deep highway networks for parametric speech synthesis	Wang, Xin; Takaki, Shinji; Yamagishi, Junichi	2018	Vol. 96		1-9
Investigation of broadcast-audio semantic analysis scenarios employing radio- programme-adaptive pattern classification	Kotsakis, R.; Kalliris, G.; Dimoulas, C.	2012	Vol. 54	Issue 6	743-762
Investigation of different speech types and emotions for detecting depression using different classifiers	Jiang, Haihua ; et al.	2017	Vol. 90		39-46
Investigation of golden speakers for second language learners from imitation preference perspective by voice modification	Wang, Ruili ; Lu, Jingli	2011	Vol. 53	Issue 2	175-184
Investigation of spectral centroid features for cognitive load classification	Le, Phu Ngoc ; et al.	2011	Vol. 53	Issue 4	540-551
IRM estimation based on data field of cochleagram for speech enhancement	Wang, Xianyun ; Bao, Feng ; Bao, Changchun	2018	Vol. 97		19-31
Is segmental foreign accent perceived categorically?	Pérez-Ramón, Rubén ; Cooke, Martin ; García Lecumberri, María Luisa	2020	Vol. 117		28-37
Is spoken Danish less intelligible than Swedish?	Gooskens, Charlotte ; et al.	2010	Vol. 52	Issue 11-12	1022-1037
Is the syllabification of Irish a typological exception? An experimental study	Ní Chiosáin, Máire ; Welby, Pauline ; Espesser, Robert	2012	Vol. 54	Issue 1	68-91
Iterative joint MAP single-channel speech enhancement given non-uniform phase prior	Mowlaee, Pejman ; Stahl, Johannes ; Kulmer, Josef	2017	Vol. 86		85-96
Japanese lexical accent recognition for a CALL system by deriving classification equations with perceptual experiments	Short, Greg ; Hirose, Keikichi ; Minematsu, Nobuaki	2013	Vol. 55	Issue 10	1064-1080
Joint acoustic and language modeling for speech recognition	Chien, Jen-Tzung ; Chueh, Chuang-Hua	2010	Vol. 52	Issue 3	223-235
Joint dictionary learning using a new optimization method for single-channel blind source separation	Sun, Linhui ; et al.	2019	Vol. 106		85-94
Joint estimation of confidence and error causes in speech recognition	Ogawa, Atsunori ; Nakamura, Atsushi	2012	Vol. 54	Issue 9	1014-1028
Joint source-filter optimization for robust glottal source estimation in the presence of shimmer and jitter	Ghosh, Prasanta Kumar ; Narayanan, Shrikanth S.	2011	Vol. 53	Issue 1	98-109
Joint speaker and environment adaptation using TensorVoice for robust speech recognition	Jeong, Yongwon	2014	Vol. 58		1-10
Keyword spotting exploiting Long Short-Term Memory	Wöllmer, Martin ; Schuller, Björn ; Rigoll, Gerhard	2013	Vol. 55	Issue 2	252-265
Keyword spotting in continuous speech using convolutional neural network	Rostami, Amir Mohammad ; Karimi, Ali ; Akhaee, Mohammad Ali	2022	Vol. 142		15-21
Language-independent processing in speech perception: Identification of English	Cooke, Martin ; et al.	2010	Vol. 52	Issue 11-12	954-967
	1				1

				_	
intervocalic consonants by speakers of eight European languages					
Large vocabulary Russian speech recognition using syntactico-statistical language modeling	Karpov, Alexey ; et al.	2014	Vol. 56		213-228
Large-scale characterization of non-native Mandarin Chinese spoken by speakers of European origin: Analysis on iCALL	Chen, Nancy F. ; et al.	2016	Vol. 84		46-56
Laughter entrainment in dyadic interactions: Temporal distribution and form	Ludusan, Bogdan ; Wagner, Petra	2022	Vol. 136		42-52
Learning affective representations based on magnitude and dynamic relative phase information for speech emotion recognition	Guo, Lili ; et al.	2022	Vol. 136		118-127
Learning and controlling the source-filter representation of speech with a variational autoencoder	Sadok, Samir ; et al.	2023	Vol. 148		53-65
Learning cooperative persuasive dialogue policies using framing	Hiraoka, Takuya ; et al.	2016	Vol. 84		83-96
Learning deep multimodal affective features for spontaneous speech emotion recognition	Zhang, Shiqing ; et al.	2021	Vol. 127		73-81
Learning emotion-discriminative and domain-invariant features for domain adaptation in speech emotion recognition	Mao, Qirong ; et al.	2017	Vol. 93		1-10
Learning transfer from singing to speech: Insights from vowel analyses in aging amateur singers and non-singers	Marczyk, Anna ; et al.	2022	Vol. 141		28-39
Leveraging audible and inaudible signals for pronunciation training by sensing articulation through a smartphone	Wong, Aslan B.; Huang, ZiQi; Wu, Kaishun	2022	Vol. 144		42-56
Leveraging word confusion networks for named entity modeling and detection from conversational telephone speech	Kurata, Gakuto ; et al.	2012	Vol. 54	Issue 3	491-502
Lexical decision task on French target words: Effect of listeners' knowledge of the babble-language	Gautreau, Aurore ; Hoen, Michel ; Meunier, Fanny	2015	Vol. 69		9-16
Lexicon optimization based on discriminative learning for automatic speech recognition of agglutinative language	Ablimit, Mijit ; Kawahara, Tatsuya ; Hamdulla, Askar	2014	Vol. 60		78-87
Likelihood ratio calculation for a disputed-utterance analysis with limited available data	Morrison, Geoffrey Stewart ; Lindh, Jonas ; Curran, James M.	2014	Vol. 58		81-90
Linguistically-constrained formant-based i-vectors for automatic speaker recognition	Franco-Pedroso, Javier ; Gonzalez-Rodriguez, Joaquin	2016	Vol. 76		61-81
Listener impressions of foreigner-directed speech: A systematic review	Rothermich, Kathrin ; et al.	2019	Vol. 112		22-29
Listener's ratings and acoustic analyses of voice qualities associated with English and Korean sarcastic utterances	Yang, Seung-yun	2021	Vol. 129		1-6
Listeners use temporal information to identify French- and English-accented	Kolly, Marie-José ; et al.	2017	Vol. 86		121-134

speech					
, ,	Mayo, Catherine ; Clark, Robert A.J. ; King, Simon	2011	Vol. 53	Issue 3	311-326
- · · · · · · · · · · · · · · · · · · ·	Riedhammer, Korbinian ; Favre, Benoit ; Hakkani-Tür, Dilek	2010	Vol. 52	Issue 10	801-815
Low bit rate compression methods of feature vectors for distributed speech recognition	Garcia, Jose Enrique ; et al.	2014	Vol. 58		111-123
Low-complexity speaker verification with decimated supervector representations	Haris, B.C.; Sinha, Rohit	2015	Vol. 68		11-22
Low-rank and sparse subspace modeling of speech for DNN based acoustic modeling	Dighe, Pranay ; Asaei, Afsaneh ; Bourlard, Hervé	2019	Vol. 109		34-45
Low-resource automatic speech recognition and error analyses of oral cancer speech	Halpern, Bence Mark ; et al.	2022	Vol. 141		14-27
• • • • • • • • • • • • • • • • • • • •	Despotovic, Vladimir ; Walter, Oliver ; Haeb- Umbach, Reinhold	2018	Vol. 99		242-251
Mandarin lexical tone duration: Impact of speech style, word length, syllable position and prosodic position	Wu, Yaru ; Adda-Decker, Martine ; Lamel, Lori	2023	Vol. 146		45-52
Mandarin tone learning in L2 adults: A test of perceptual and sensorimotor contributions	Ning, Li-Hsin ; Shih, Chilin ; Loucks, Torrey M.	2014	Vol. 63-64		55-69
Mapping between acoustic and articulatory gestures	Ananthakrishnan, G. ; Engwall, Olov	2011	Vol. 53	Issue 4	567-589
Mask classification for missing-feature reconstruction for robust speech recognition in unknown background noise	Kim, Wooil ; Stern, Richard M.	2011	Vol. 53	Issue 1	1-11
Masked multi-head self-attention for causal speech enhancement	Nicolson, Aaron ; Paliwal, Kuldip K.	2020	Vol. 125		80-96
Maxout neurons for deep convolutional and LSTM neural networks in speech recognition	Cai, Meng ; Liu, Jia	2016	Vol. 77		53-64
Mean Hilbert envelope coefficients (MHEC) for robust speaker and language identification	Sadjadi, Seyed Omid ; Hansen, John H.L.	2015	Vol. 72		138-148
Meaningful head movements driven by emotional synthetic speech	Sadoughi, Najmeh ; Liu, Yang ; Busso, Carlos	2017	Vol. 95		87-99
	Vieira, Maurílio N. ; Sansão, João Pedro H. ; Yehia, Hani C.	2014	Vol. 61-62		17-32
	Beechey, Timothy ; Buchholz, Jörg M. ; Keidser, Gitte	2018	Vol. 100		18-29
Measuring cross-linguistic intelligibility in the Germanic, Romance and Slavic	Gooskens, Charlotte ; Heuven, Vincent J. van	2017	Vol. 89		25-36

language groups					
Measuring the intelligibility of dysarthric speech through automatic speech recognition in a pluricentric language	Xue, Wei ; et al.	2023	Vol. 148		23-30
Mechanisms of tone sandhi rule application by tonal and non-tonal non-native speakers	Chen, Si ; et al.	2019	Vol. 115		67-77
Medium term speaker state detection by perceptually masked spectral features	Sezgin, Cenk ; Gunsel, Bilge ; Krajewski, Jarek	2015	Vol. 67		26-41
Mel-S3R: Combining Mel-spectrogram and self-supervised speech representation with VQ-VAE for any-to-any voice conversion	Yang, Jichen ; Zhou, Yi ; Huang, Hao	2023	Vol. 151		52-63
Mismatch modeling and compensation for robust speaker verification	Lei, Yun ; Hansen, John H.L.	2011	Vol. 53	Issue 2	257-268
Mismatched distances from speakers to telephone in a forensic-voice-comparison case	Enzinger, Ewald ; Morrison, Geoffrey Stewart	2015	Vol. 70		28-41
Misperception patterns of American English consonants by Japanese listeners in reverberant and noisy environments	Masuda, Hinako	2016	Vol. 79		74-87
Mixed source model and its adapted vocal tract filter estimate for voice transformation and synthesis	Degottex, Gilles ; et al.	2013	Vol. 55	Issue 2	278-294
MMSE estimation of log-filterbank energies for robust speech recognition	Stark, Anthony ; Paliwal, Kuldip	2011	Vol. 53	Issue 3	403-416
Model architectures to extrapolate emotional expressions in DNN-based text-to-speech	Inoue, Katsuki ; et al.	2021	Vol. 126		35-43
Model predictive PESQ-ANFIS/FUZZY C-MEANS for image-based speech signal evaluation	Neves, Eder Pereira ; et al.	2023	Vol. 154		102972
Model-based clustered sparse imputation for noise robust speech recognition	Goodarzi, Mohammad Mohsen ; Almasganj, Farshad	2016	Vol. 76		218-229
Model-based estimation of late reverberant spectral variance using modified weighted prediction error method	Parchami, Mahdi ; Zhu, Wei-Ping ; Champagne, Benoît	2017	Vol. 92		100-113
Modeling and interpolation of Austrian German and Viennese dialect in HMM-based speech synthesis	Pucher, Michael ; et al.	2010	Vol. 52	Issue 2	164-179
Modeling coarticulation in EMG-based continuous speech recognition	Schultz, Tanja ; Wand, Michael	2010	Vol. 52	Issue 4	341-353
Modeling concurrent vowel identification for shorter durations	Settibhaktini, Harshavardhan ; Chintanpalli, Ananthakrishna	2020	Vol. 125		1-6
Modeling F0 trajectories in hierarchically structured deep neural networks	Yin, Xiang ; et al.	2016	Vol. 76		82-92
Modeling speech intelligibility with recovered envelope from temporal fine structure stimulus.	Chen, Fei ; Tsao, Yu ; Lai, Ying-Hui	2016	Vol. 81		120-128
Modeling the effects of single-microphone noise-suppression	Kates, James M.	2017	Vol. 90		15-25
					· ·

Modeling trajectories of human speech articulators using general Tau theory	Elie, Benjamin ; Lee, David N. ; Turk, Alice	2023	Vol. 151		24-38
Modeling user behavior online for disambiguating user input in a spoken dialogue system	Wang, Fangju ; Swegles, Kyle	2013	Vol. 55	Issue 1	84-98
Modelling and compensation for language mismatch in speaker verification	Misra, Abhinav ; Hansen, John H.L.	2018	Vol. 96		58-66
Modelling speaker-size discrimination with voiced and unvoiced speech sounds based on the effect of spectral lift	Matsui, Toshie ; et al.	2022	Vol. 136		23-41
Modified segmental signal-to-noise ratio reflecting spectral masking effect for evaluating the performance of hearing aid algorithms	Yook, Sunhyun ; et al.	2013	Vol. 55	Issue 10	1003-1010
Modulation domain blind speech separation in noisy environments	Zhang, Yi ; Zhao, Yunxin	2013	Vol. 55	Issue 10	1081-1099
Modulation spectral features for speech emotion recognition using deep neural networks	Singh, Premjeet ; Sahidullah, Md ; Saha, Goutam	2023	Vol. 146		53-69
Modulation-domain Kalman filtering for single-channel speech enhancement	So, Stephen ; Paliwal, Kuldip K.	2011	Vol. 53	Issue 6	818-829
Monaural multi-talker speech recognition using factorial speech processing models	Khademian, Mahdi ; Homayounpour, Mohammad Mehdi	2018	Vol. 98		1-16
Motion strategies for binaural localisation of speech sources in azimuth and distance by artificial listeners	Lu, Yan-Chen ; Cooke, Martin	2011	Vol. 53	Issue 5	622-642
Multi-accent acoustic modelling of South African English	Kamper, Herman ; Muamba Mukanya, Félicien Jeje ; Niesler, Thomas	2012	Vol. 54	Issue 6	801-813
Multi-band dysperiodicity analyses of disordered connected speech	Alpan, A.; et al.	2011	Vol. 53	Issue 1	131-141
Multi-band frequency compression for improving speech perception by listeners with moderate sensorineural hearing loss	Kulkarni, Pandurangarao N.; Pandey, Prem C.; Jangamashetti, Dakshayani S.	2012	Vol. 54	Issue 3	341-350
Multi-band summary correlogram-based pitch detection for noisy speech	Tan, Lee Ngee ; Alwan, Abeer	2013	Vol. 55	Issue 7-8	841-856
Multi-domain adversarial training of neural network acoustic models for distant speech recognition	Mirsamadi, Seyedmahdad ; Hansen, John H.L.	2019	Vol. 106		21-30
Multi-laboratory evaluation of forensic voice comparison systems under conditions reflecting those of a real forensic case (forensic_eval_01) – Conclusion. (Editorial)	Morrison, Geoffrey Stewart ; Enzinger, Ewald	2019	Vol. 112		37-39
Multi-laboratory evaluation of forensic voice comparison systems under conditions reflecting those of a real forensic case (forensic_eval_01) – Introduction. (Editorial)	Morrison, Geoffrey Stewart ; Enzinger, Ewald	2016	Vol. 85		119-126
Multi-level self-attentive TDNN: A general and efficient approach to summarize speech into discriminative utterance-level representations	Monteiro, João ; Alam, Jahangir ; Falk, Tiago H.	2022	Vol. 140		42-49
Multi-modal speech emotion recognition using self-attention mechanism and	Liu, Yang ; et al.	2022	Vol. 139		1-9
	T			-1	

multi-scale fusion framework					
Multi-stream speech recognition based on Dempster–Shafer combination rule	Valente, Fabio	2010	Vol. 52	Issue 3	213-222
Multichannel acoustic echo cancellation exploiting effective fundamental frequency estimation	Romoli, Laura ; Cecchi, Stefania ; Piazza, Francesco	2017	Vol. 86		97-106
Multilingual and multimode phone recognition system for Indian languages	Tripathi, Kumud ; Reddy, M. Kiran ; Rao, K. Sreenivasa	2020	Vol. 119		12-23
Multilingual speech recognition for GlobalPhone languages	Tachbelie, Martha Yifiru ; Abate, Solomon Teferra ; Schultz, Tanja	2022	Vol. 140		71-86
Multimodal analysis of speech and arm motion for prosody-driven synthesis of beat gestures	Bozkurt, Elif ; Yemez, Yücel ; Erzin, Engin	2016	Vol. 85		29-42
Multimodal attention for lip synthesis using conditional generative adversarial networks	Vidal, Andrea ; Busso, Carlos	2023	Vol. 153		102959
Multimodal perception of prominence in spontaneous speech: A methodological proposal using mixed models and AIC	Jiménez-Bravo, Miguel ; Marrero-Aguiar, Victoria	2020	Vol. 124		28-45
Multimodal prominences: Exploring the patterning and usage of focal pitch accents, head beats and eyebrow beats in Swedish television news readings	Ambrazaitis, Gilbert ; House, David	2017	Vol. 95		100-113
Multiple description coding technique to improve the robustness of ACELP based coders AMR-WB	Chaouch, Hocine ; Merazka, Fatiha ; Marthon, Philippe	2019	Vol. 108		33-40
Multiple voice disorders in the same individual: Investigating handcrafted features, multi-label classification algorithms, and base-learners	Barbon, Sylvio ; et al.	2023	Vol. 152		102952
Multistage approach for steerable differential beamforming with rectangular arrays	Itzhak, Gal ; Benesty, Jacob ; Cohen, Israel	2022	Vol. 142		61-76
Multistream speaker diarization of meetings recordings beyond MFCC and TDOA features	Vijayasenan, Deepu ; Valente, Fabio ; Bourlard, Hervé	2012	Vol. 54	Issue 1	55-67
Multitaper MFCC and PLP features for speaker verification using i-vectors	Alam, Md. Jahangir ; et al.	2013	Vol. 55	Issue 2	237-251
Musical noise suppression using a low-rank and sparse matrix decomposition approach	Sadasivan, Jishnu ; Dhiman, Jitendra K. ; Seelamantula, Chandra Sekhar	2020	Vol. 125		41-52
Native and non-native listeners' perception of English consonants in different types of noise	Broersma, Mirjam ; Scharenborg, Odette	2010	Vol. 52	Issue 11-12	980-995
Native language identification for Indian-speakers by an ensemble of phoneme- specific, and text-independent convolutions	Humayun, Mohammad Ali ; Yassin, Hayati ; Abas, Pg Emeroylariffion	2022	Vol. 139		92-101
Native speaker perceptions of (non-)native prominence patterns: Effects of deviance in pitch accent distributions on accentedness, comprehensibility, intelligibility, and nativeness	Maastricht, Lieke van ; Krahmer, Emiel ; Swerts, Marc	2016	Vol. 83		21-33

Native vs. non-native accent identification using Japanese spoken telephone numbers	Amino, Kanae ; Osanai, Takashi	2014	Vol. 56		70-81
Near-field signal acquisition for smartglasses using two acoustic vector-sensors	Levin, Dovid Y.; Habets, Emanuël A.P.; Gannot, Sharon	2016	Vol. 83		42-53
Neural speech-rate conversion with multispeaker WaveNet vocoder	Okamoto, Takuma ; et al.	2022	Vol. 138		1-12
New insights on the optimality of parameterized Wiener filters for speech enhancement applications	Chiea, Rafael Attili ; Costa, Márcio Holsbach ; Barrault, Guillaume	2019	Vol. 109		46-54
NHSS: A speech and singing parallel database	Sharma, Bidisha ; et al.	2021	Vol. 133		9-22
Noise perturbation for supervised speech separation	Chen, Jitong; Wang, Yuxuan; Wang, DeLiang	2016	Vol. 78		1-10
Noise robust exemplar matching with alpha-beta divergence	Yılmaz, Emre ; Gemmeke, Jort F. ; Van hamme, Hugo	2016	Vol. 76		127-142
Noise robust voice activity detection based on periodic to aperiodic component ratio	Ishizuka, Kentaro ; et al.	2010	Vol. 52	Issue 1	41-60
Noisy speech enhancement with sparsity regularization	Kammi, Sonay ; Karami Mollaei, Mohammad Reza	2017	Vol. 87		58-69
Non-intrusive codebook-based intelligibility prediction	Sørensen, Charlotte ; et al.	2018	Vol. 101		85-93
Non-intrusive quality assessment of noise-suppressed speech using unsupervised deep features	Soni, Meet H. ; Patil, Hemant A.	2021	Vol. 130		27-44
Non-native disadvantage in spoken word recognition is due to lexical knowledge and not type/level of noise	Wang, Xianhui ; Lee, Chao-Yang ; Wiener, Seth	2023	Vol. 149		29-37
Non-native durational patterns decrease speech intelligibility	Quené, Hugo ; Delft, L.E. van	2010	Vol. 52	Issue 11-12	911-918
Non-native speech perception in adverse conditions: A review	Garcia Lecumberri, Maria Luisa ; Cooke, Martin ; Cutler, Anne	2010	Vol. 52	Issue 11-12	864-886
Non-uniform time scale modification using instants of significant excitation and vowel onset points	Sreenivasa Rao, K.; Vuppala, Anil Kumar	2013	Vol. 55	Issue 6	745-756
Nonlinear Kronecker product filtering for multichannel noise reduction	Itzhak, Gal ; Benesty, Jacob ; Cohen, Israel	2019	Vol. 114		49-59
Nonlinear waveform distortion: Assessment and detection of clipping on speech data and systems	Hansen, John H.L. ; Stauffer, Allen ; Xia, Wei	2021	Vol. 134		20-31
Normal-to-Lombard adaptation of speech synthesis using long short-term memory recurrent neural networks	Bollepalli, Bajibabu ; et al.	2019	Vol. 110		64-75
Objective classification of auditory brainstem responses to consonant-vowel syllables using local discriminant bases	Shirzhiyan, Zahra ; et al.	2019	Vol. 114		36-48
Objective measures for quality assessment of noise-suppressed speech	Ding, Huijun ; et al.	2015	Vol. 71		62-73
	1				-1

Objective speech intelligibility measurement for cochlear implant users in complex listening environments	Santos, João F. ; et al.	2013	Vol. 55	Issue 7-8	815-824
On interaction behaviour in telephone conversations under transmission delay	Schoenenberg, Katrin ; et al.	2014	Vol. 63-64		1-14
On mispronunciation analysis of individual foreign speakers using auditory periphery models	Koniaris, Christos ; Salvi, Giampiero ; Engwall, Olov	2013	Vol. 55	Issue 5	691-706
On quantifying the quality of acoustic models in hybrid DNN-HMM ASR	Dighe, Pranay ; Asaei, Afsaneh ; Bourlard, Hervé	2020	Vol. 119		24-35
On structured sparsity of phonological posteriors for linguistic parsing	Cernak, Miloš ; Asaei, Afsaneh ; Bourlard, Hervé	2016	Vol. 84		36-45
On supervised LPC estimation training targets for augmented Kalman filter- based speech enhancement	Roy, Sujan Kumar ; Nicolson, Aaron ; Paliwal, Kuldip K.	2022	Vol. 142		49-60
On the acoustic correlates of high and low nuclear pitch accents in American English	Shue, Yen-Liang ; et al.	2010	Vol. 52	Issue 2	106-122
On the deficiency of intelligibility metrics as proxies for subjective intelligibility	López-Espejo, Iván ; et al.	2023	Vol. 150		9-22
On the detection of pitch marks using a robust multi-phase algorithm	Legát, M. ; Matoušek, J. ; Tihelka, D.	2011	Vol. 53	Issue 4	552-556
On the development of a frequency-lowering system that enhances place-of- articulation perception	Kong, Ying-Yee ; Mullangi, Ala	2012	Vol. 54	Issue 1	147-160
On the distribution of Mel-filtered log-spectrum of speech in additive noise	Seyedin, Sanaz ; Gazor, Saeed ; Ahadi, Seyed Mohammad	2015	Vol. 67		8-25
On the identification of relevant degradation indicators in super wideband listening quality assessment models	Tiémounou, Sibiri ; Le Bouquin Jeannès, Régine ; Barriac, Vincent	2013	Vol. 55	Issue 10	1047-1063
On the issues of intra-speaker variability and realism in speech, speaker, and language recognition tasks	Hansen, John H.L. ; Hynek Bořil	2018	Vol. 101		94-108
On the quality-assessment of reverberated speech	de Lima, Amaro A. ; et al.	2012	Vol. 54	Issue 3	393-401
On the relationship between Early-to-Late Ratio of Room Impulse Responses and ASR performance in reverberant environments	Brutti, Alessio ; Matassoni, Marco	2016	Vol. 76		170-185
On the tip of the tongue: Modulation of the primary motor cortex during audiovisual speech perception	Sato, Marc ; et al.	2010	Vol. 52	Issue 6	533-541
On using acoustic environment classification for statistical model-based speech enhancement	Choi, Jae-Hun ; Chang, Joon-Hyuk	2012	Vol. 54	Issue 3	477-490
On what happens in gesture when communication is unsuccessful	Hoetjes, Marieke ; Krahmer, Emiel ; Swerts, Marc	2015	Vol. 72		160-175
On widely linear Wiener and tradeoff filters for noise reduction	Benesty, Jacob ; Chen, Jingdong ; Huang, Yiteng (Arden)	2010	Vol. 52	Issue 5	427-439
One-shot emotional voice conversion based on feature separation	Lu, Wenhuan ; et al.	2022	Vol. 143		1-9
	The state of the s			1	

OPENGLOT – An open environment for the evaluation of glottal inverse filtering	Alku, Paavo ; et al.	2019	Vol. 107		38-47
Optimization and evaluation of sigmoid function with a priori SNR estimate for real-time speech enhancement	Yong, Pei Chee ; Nordholm, Sven ; Dam, Hai Huyen	2013	Vol. 55	Issue 2	358-376
Optimization of the parameters characterizing sigmoidal rate-level functions based on acoustic features	Poblete, Víctor ; Becerra Yoma, Néstor ; Stern, Richard M.	2014	Vol. 56		19-34
Optimization-based modeling of speech timing	Windmann, Andreas ; Šimko, Juraj ; Wagner, Petra	2015	Vol. 74		76-92
Optimum step-size control for a variable step-size stereo acoustic echo canceller in the frequency domain	Yan, Zhenhai ; Wang, Feiran ; Yang, Jun	2020	Vol. 124		21-27
Oral configurations during vowel nasalization in English	Cler, Gabriel J. ; Perkell, Joseph S. ; Stepp, Cara E.	2021	Vol. 129		17-24
Orthographic effects on the perception and production of L2 mandarin tones	Mok, Peggy Pik Ki ; et al.	2018	Vol. 101		1-10
Output-based speech quality assessment using autoencoder and support vector regression	Wang, Jing ; et al.	2019	Vol. 110		13-20
PACDNN: A phase-aware composite deep neural network for speech enhancement	Hasannezhad, Mojtaba ; et al.	2022	Vol. 136		1-13
Parallel Representation Learning for the Classification of Pathological Speech: Studies on Parkinson's Disease and Cleft Lip and Palate	Vasquez-Correa, J.C. ; et al.	2020	Vol. 122		56-67
Parameterization of a computational physical model for glottal flow using inverse filtering and high-speed videoendoscopy	Murtola, Tiina ; et al.	2018	Vol. 96		67-80
Parameters of unit-based measures of speech rate	Tilsen, Sam ; Tiede, Mark	2023	Vol. 150		73-97
Perceived accentedness and intelligibility: The relative contributions of FO and duration	Winters, Stephen ; O'Brien, Mary Grantham	2013	Vol. 55	Issue 3	486-507
Perceived attention allocation of listeners who transcribe the speech of speakers with amyotrophic lateral sclerosis	Beukelman, David R. ; et al.	2011	Vol. 53	Issue 6	801-806
Perception of English consonants in noise by native and Norwegian listeners	Dommelen, Wim A. van ; Hazan, Valerie	2010	Vol. 52	Issue 11-12	968-979
Perception of place of articulation for plosives and fricatives in noise	Alwan, Abeer ; Jiang, Jintao ; Chen, Willa	2011	Vol. 53	Issue 2	195-209
Perceptual asymmetry between pitch peaks and valleys	Jeon, Hae-Sung ; Heinrich, Antje	2022	Vol. 140		109-127
Perceptual clustering of high-pitched vowels in Chinese Yue Opera	Zhang, Yixin; Nolan, Francis; Friedrichs, Daniel	2022	Vol. 137		60-69
Perceptual effects of interpolated Austrian and German standard varieties	Pucher, Michael ; et al.	2022	Vol. 141		107-120
Perceptual evaluation for automatic anomaly detection in disordered speech: Focus on ambiguous cases	Laaridh, Imed ; Meunier, Christine ; Fredouille, Corinne	2018	Vol. 105		23-33
Perceptual learning of phonetic convergence	Dias, James W.; Vazquez, Theresa C.;	2021	Vol. 133		1-8
	1				

	Rosenblum, Lawrence D.				
Perceptual motivation for rhotics as a class	Howson, Phil J.; Monahan, Philip J.	2019	Vol. 115		15-28
Perceptual realization of Greek consonants by Russian monolingual speakers	Georgiou, Georgios P. ; et al.	2020	Vol. 125		7-14
Perceptual speech enhancement exploiting temporal masking properties of human auditory system	Gunawan, Teddy Surya ; Ambikairajah, Eliathamby ; Epps, Julien	2010	Vol. 52	Issue 5	381-393
Perceptual speech quality measures separating speech distortion and additive noise degradations	Ben Aicha, Anis ; Ben Jebara, Sofia	2012	Vol. 54	Issue 4	517-528
Phase AutoCorrelation (PAC) features for noise robust speech recognition	Ikbal, Shajith ; et al.	2012	Vol. 54	Issue 7	867-880
Phase distortion resulting in a just noticeable difference in the perceived quality of speech.	Chappel, Roger ; Schwerin, Belinda ; Paliwal, Kuldip	2016	Vol. 81		138-147
Phase modification for increasing the intelligibility of telephone speech in near- end noise conditions – evaluation of two methods	Jokinen, Emma ; Pulakka, Hannu ; Alku, Paavo	2016	Vol. 83		64-80
Phase perception of the glottal excitation and its relevance in statistical parametric speech synthesis.	Raitio, Tuomo ; et al.	2016	Vol. 81		104-119
Phase term modeling for enhanced feature-space VTS	Korenevsky, Maxim	2017	Vol. 89		84-91
Phase unwrapping based packet loss concealment using deep neural networks	Deng, Shuhao ; Bao, Changchun	2022	Vol. 138		88-97
Phone classification via manifold learning based dimensionality reduction algorithms	Huang, Heyun ; et al.	2016	Vol. 76		28-41
Phoneme boundary detection from speech: A rule based approach	Ramteke, Pravin Bhaskar ; Koolagudi, Shashidhar G.	2019	Vol. 107		1-17
Phoneme-level articulatory animation in pronunciation training	Wang, Lan ; et al.	2012	Vol. 54	Issue 7	845-856
Phoneme-to-viseme mappings: the good, the bad, and the ugly	Bear, Helen L. ; Harvey, Richard	2017	Vol. 95		40-67
Phonetic accommodation to natural and synthetic voices: Behavior of groups and individuals in speech shadowing	Gessinger, Iona ; et al.	2021	Vol. 127		43-63
Phonetic and phonological sound changes in an agent-based model	Gubian, Michele ; Cronenberg, Johanna ; Harrington, Jonathan	2023	Vol. 147		93-115
Phonetic correlates of laryngeal and place contrasts of Burushaski	Hussain, Qandeel	2021	Vol. 126		71-89
Phonetic detail encoding in explaining boundary-modulated coarticulation	Luo, Shan ; Tang, Xiaoyi ; Qiao, Tianshu	2020	Vol. 125		152-163
Phonetic feature extraction for context-sensitive glottal source processing	Kane, John ; et al.	2014	Vol. 59		10-21
Phonetic imitation of multidimensional acoustic variation of the nasal split short-a system	Zellou, Georgia ; Brotherton, Chloe	2021	Vol. 135		54-65
Phonetic subspace features for improved query by example spoken term detection	Ram, Dhananjay ; Asaei, Afsaneh ; Bourlard, Hervé	2018	Vol. 103		27-36

Phonotactic and phrasal properties of speech rhythm. Evidence from Catalan, English, and Spanish	Prieto, Pilar ; et al.	2012	Vol. 54	Issue 6	681-702
Phonotactic language recognition using dynamic pronunciation and language branch discriminative information	Wang, Xianliang ; et al.	2015	Vol. 75		50-61
Playback attack detection for text-dependent speaker verification over telephone channels	Gałka, Jakub ; Grzywacz, Marcin ; Samborski, Rafał	2015	Vol. 67		143-153
POLEMAD—A database for the multimodal analysis of Polish pronunciation	Wielgat, Robert ; et al.	2021	Vol. 127		29-42
Positioning oneself in different roles: Structural and lexical measures of power relations between speakers in Map Task Corpus	Silber-Varod, Vered ; Malayev, Sarit ; Lerner, Anat	2020	Vol. 117		1-12
Predicting speech reception thresholds of cochlear implant users using a modified envelope based measure	Montazeri, Vahid ; Hossain, Shaikat ; Assmann, Peter F.	2017	Vol. 89		47-57
Predicting synthetic voice style from facial expressions. An application for augmented conversations	Székely, Éva ; et al.	2014	Vol. 57		63-75
Predicting the intrusiveness of noise through sparse coding with auditory kernels	Ullmann, Raphael ; Bourlard, Hervé	2016	Vol. 76		186-200
Predicting the phonetic realizations of word-final consonants in context – A challenge for French grapheme-to-phoneme converters	Aguiar Pontes, Josafá de Jesus ; Furui, Sadaoki	2010	Vol. 52	Issue 10	847-862
Predicting tonal realizations in one Chinese dialect from another	Wu, Junru ; et al.	2016	Vol. 76		1-27
Predicting utterance pitch targets in Yorùbá for tone realisation in speech synthesis	Van Niekerk, Daniel R. ; Barnard, Etienne	2014	Vol. 56		229-242
Prediction of speech intelligibility based on an auditory preprocessing model	Christiansen, Claus ; Syskind Pedersen, Michael ; Dau, Torsten	2010	Vol. 52	Issue 7-8	678-692
Prediction of vowel identification for cochlear implant using a computational model	Yang, Hyejin ; et al.	2016	Vol. 85		19-28
Preface (Special issue: Perceptual and Statistical Audition)	Heckmann, Martin ; Raj, Bhiksha ; Smaragdis, Paris	2011	Vol. 53	Issue 5	591-591
Preface. (Special Issue: Non-native Speech Perception in Adverse Conditions)	Cutler, Anne ; Cooke, Martin ; Garcia Lecumberri, M. Luisa	2010	Vol. 52	Issue 11-12	863-863
Prior-shared feature and model space speaker adaptation by consistently employing map estimation	Hahm, Seong-Jun ; et al.	2013	Vol. 55	Issue 3	415-431
Privacy-preserving PLDA speaker verification using outsourced secure computation	Treiber, Amos ; et al.	2019	Vol. 114		60-71
ProDis: A dialectometric tool for acoustic prosodic data	Elvira-García, Wendy ; et al.	2018	Vol. 97		9-18
	-	•		-	

Production of filled pauses in concatenative speech synthesis based on the underlying fluent sentence	Adell, Jordi ; Escudero, David ; Bonafonte, Antonio	2012	Vol. 54	Issue 3	459-476
Profiling fluency: An analysis of individual variation in disfluencies in adult males	McDougall, Kirsty; Duckworth, Martin	2017	Vol. 95		16-27
Progress of machine learning based automatic phoneme recognition and its prospect	Malakar, Mousumi ; Keskar, Ravindra B.	2021	Vol. 135		37-53
Prosodic alignment toward emotionally expressive speech: Comparing human and Alexa model talkers	Cohn, Michelle ; et al.	2021	Vol. 135		66-75
Prosodic and temporal features for language modeling for dialog	Ward, Nigel G. ; Vega, Alejandro ; Baumann, Timo	2012	Vol. 54	Issue 2	161-174
Prosodic development from 4 to 10 years: Data from the Italian adaptation of the PEPS-C	Zanchi, Paola ; Peppé, Sue ; Zampini, Laura	2022	Vol. 144		10-19
Prosodic encoding of focus in Hijazi Arabic	Alzaidi, Muhammad Swaileh ; Xu, Yi ; Xu, Anqi	2019	Vol. 106		127-149
Prosodic stress detection for fixed stress languages using formal atom decomposition and a statistical hidden Markov hybrid	Szaszák, György ; Tündik, Máté Ákos ; Gerazov, Branislav	2018	Vol. 102		14-26
Prosodic variation enhancement using unsupervised context labeling for HMM-based expressive speech synthesis	Maeno, Yu ; et al.	2014	Vol. 57		144-154
Prosody and fluency of Finland Swedish as a second language: Investigating global parameters for automated speaking assessment	Kallio, Heini ; Kautonen, Maria ; Kuronen, Mikko	2023	Vol. 148		66-80
Prosody off the top of the head: Prosodic contrasts can be discriminated by head motion	Cvejic, Erin ; Kim, Jeesun ; Davis, Chris	2010	Vol. 52	Issue 6	555-564
Psychoacoustic features explain creakiness classifications made by naive and non-naive listeners	Villegas, Julián ; et al.	2023	Vol. 147		74-81
Quality measures based calibration with duration and noise dependency for speaker recognition	Mandasari, Miranti Indar ; Saeidi, Rahim ; Leeuwen, David A. van	2015	Vol. 72		126-137
Quality of talking heads in different interaction and media contexts	Weiss, Benjamin ; et al.	2010	Vol. 52	Issue 6	481-492
Quality prediction of synthesized speech based on perceptual quality dimensions	Norrenbrock, Christoph R. ; et al.	2015	Vol. 66		17-35
Quantitative intonation modeling of interrogative sentences for Mandarin speech synthesis	Li, Ya ; et al.	2017	Vol. 89		92-102
Rapid speaker adaptation in latent speaker space with non-negative matrix factorization	Zhang, Xueru ; Demuynck, Kris ; Van hamme, Hugo	2013	Vol. 55	Issue 9	893-908
Rapid speaker adaptation using compressive sensing	Zhang, Wen-Lin ; et al.	2013	Vol. 55	Issue 10	950-963
Rayleigh modeling of teager energy operated perceptual wavelet packet	Islam, Md. Tauhidul ; et al.	2017	Vol. 86		64-74

			1		1
coefficients for enhancing noisy speech					
Re-ranking spoken term detection with acoustic exemplars of keywords	Pham, Van Tung ; et al.	2018	Vol. 104		12-23
Read speech voice quality and disfluency in individuals with recent suicidal ideation or suicide attempt	Stasak, Brian ; et al.	2021	Vol. 132		10-20
Real and imaginary modulation spectral subtraction for speech enhancement	Zhang, Yi ; Zhao, Yunxin	2013	Vol. 55	Issue 4	509-522
Real time hearing enhancement in crowded social environments with noise gating	Wang, Brian ; Wong, Willy	2018	Vol. 99		173-182
Real-time intelligibility affects the realization of French word-final schwa	Zellou, Georgia ; Chitoran, Ioana ; Zhou, Ziqi	2023	Vol. 152		102962
Real-time lexical competitions during speech-in-speech comprehension	Boulenger, Véronique ; et al.	2010	Vol. 52	Issue 3	246-253
Real-time Simulink implementation of noise adaptive speech processing pipeline of cochlear implants	Saki, Fatemeh ; Bhattacharya, Aditya ; Kehtarnavaz, Nasser	2018	Vol. 96		197-206
Recognising realistic emotions and affect in speech: State of the art and lessons learnt from the first challenge	Schuller, Björn ; et al.	2011	Vol. 53	Issue 9-10	1062-1087
Recognising speakers from the topics they talk about	Baum, Doris	2012	Vol. 54	Issue 10	1132-1142
Recognition of vocoded speech in English by Mandarin-speaking English-learners	Yang, Jing ; et al.	2022	Vol. 136		63-75
Recognizing affect from speech prosody using hierarchical graphical models	Fernandez, Raul ; Picard, Rosalind	2011	Vol. 53	Issue 9-10	1088-1103
Reconstruction-based speech enhancement from robust acoustic features	Harding, Philip ; Milner, Ben	2015	Vol. 75		62-75
Recursive Feature Diversity Network for audio super-resolution	Jiang, Bo ; et al.	2022	Vol. 144		57-66
Reducing bandwidth for robust distributed speech recognition in conditions of packet loss	Flynn, Ronan ; Jones, Edward	2012	Vol. 54	Issue 7	881-892
Reducing computation in an i-vector speaker recognition system using a tree- structured universal background model	McClanahan, Richard ; De Leon, Phillip L.	2015	Vol. 66		36-46
Reduction of musical residual noise using block-and-directional-median filter adapted by harmonic properties	Lu, Ching-ta	2014	Vol. 58		35-48
Refinement and validation of the binaural short time objective intelligibility measure for spatially diverse conditions	Andersen, Asger Heidemann ; et al.	2018	Vol. 102		1-13
Regularized minimum variance distortionless response-based cepstral features for robust continuous speech recognition	Alam, Md. Jahangir ; Kenny, Patrick ; O'Shaughnessy, Douglas	2015	Vol. 73		28-46
Regularized non-negative matrix factorization with Gaussian mixtures and masking model for speech enhancement	Chung, Hanwook ; Plourde, Eric ; Champagne, Benoit	2017	Vol. 87		18-30
Relationship between Chinese speech intelligibility and speech transmission index in rooms based on auralization	Peng, Jianxin ; Bei, Chengxun ; Haitao; Sun	2011	Vol. 53	Issue 7	986-990
Relaxation to one-dimensional postglottal flow in a vocal fold model	Sciamarella, D. ; Artana, G.	2015	Vol. 66		176-181

Resources for turn competition in overlapping talk	Kurtić, Emina ; Brown, Guy J. ; Wells, Bill	2013	Vol. 55	Issue 5	721-743
Response type selection for chat-like spoken dialog systems based on LSTM and multi-task learning	Ohta, Kengo ; Nishimura, Ryota ; Kitaoka, Norihide	2021	Vol. 133		23-30
Restoration scheme of instantaneous amplitude and phase using Kalman filter with efficient linear prediction for speech enhancement	Nower, Naushin ; Liu, Yang ; Unoki, Masashi	2015	Vol. 70		13-27
RETRACTED: Multi-channel adaptive loudness compensation algorithm based on noise tracking in digital hearing aids	Li, Ruwei ; et al.	2021	Vol. 130		64-76
Retraction notice to "Multi-channel adaptive loudness compensation algorithm based on noise tracking in digital hearing aids" [Measurement 130C (2021) 2773]	Li, Ruwei ; et al.	2021	Vol. 134		85-85
Reverberant speech separation with probabilistic time—frequency masking for B-format recordings	Chen, Xiaoyi ; et al.	2015	Vol. 68		41-54
Review of analysis methods for speech applications	O'Shaughnessy, Douglas	2023	Vol. 151		64-75
Robust acoustic echo cancellation using Kalman filter in double talk scenario	Jain, Ayush ; et al.	2015	Vol. 70		65-75
Robust binaural speech separation in adverse conditions based on deep neural network with modified spatial features and training target	Dadvar, Paria ; Geravanchizadeh, Masoud	2019	Vol. 108		41-52
Robust coding of wideband speech immittance spectral frequencies	Salah-Eddine, Cheraitia ; Bouzid, Merouane	2014	Vol. 65		94-108
Robust f_{0} extraction from monophonic signals using adaptive sub-band filtering $% \left(1\right) =\left(1\right) \left(1$	Rengaswamy, Pradeep ; et al.	2020	Vol. 116		77-85
Robust Speaker Identification Based on Binaural Masks	Ghalamiosgouei, Sina ; Geravanchizadeh, Masoud	2021	Vol. 132		1-9
Robust speech detection in real acoustic backgrounds with perceptually motivated features	Bach, Jörg-Hendrik ; Anemüller, Jörn ; Kollmeier, Birger	2011	Vol. 53	Issue 5	690-706
Robust speech recognition by integrating speech separation and hypothesis testing	Srinivasan, Soundararajan ; Wang, DeLiang	2010	Vol. 52	Issue 1	72-81
Robust speech recognition in reverberant environments by using an optimal synthetic room impulse response model	Liu, Jindong ; Yang, Guang-Zhong	2015	Vol. 67		65-77
Robust speech/non-speech classification in heterogeneous multimedia content	Huijbregts, Marijn ; Jong, Franciska de	2011	Vol. 53	Issue 2	143-153
Robustness metric-based tuning of the augmented Kalman filter for the enhancement of speech corrupted with coloured nois	George, Aidan E.W. ; et al.	2018	Vol. 105		62-76
Robustness of spectro-temporal features against intrinsic and extrinsic variations in automatic speech recognition	Meyer, Bernd T.; Kollmeier, Birger	2011	Vol. 53	Issue 5	753-767
Role of modulation magnitude and phase spectrum towards speech intelligibility	Paliwal, Kuldip ; Schwerin, Belinda ; Wójcicki, Kamil	2011	Vol. 53	Issue 3	327-339

Mirbeygi, Mohaddeseh ; Mahabadi, Aminollah ; Ranjbar, Akbar	2021	Vol. 126		22-34
Hughes, Vincent	2017	Vol. 94		15-29
Lin, Wen-liang ; Deng, Zhongliang	2017	Vol. 88		149-159
Liu, Lu-Yao ; Liu, Wen-Zhe ; Feng, Lin	2023	Vol. 148		1-8
Gao, Heting ; et al.	2022	Vol. 136		76-83
Dam, Hai Huyen ; Rimantho, Dedi ; Nordholm, Sven	2013	Vol. 55	Issue 4	535-543
Teoh, Andrew Beng Jin ; Chong, Lee-Ying	2010	Vol. 52	Issue 2	150-163
Soleymani, Roozbeh ; Selesnick, Ivan W. ; Landsberger, David M.	2018	Vol. 96		102-115
Burnham, Denis ; et al.	2022	Vol. 141		40-55
Chen, Fei ; Hu, Yi	2019	Vol. 106		79-84
Meireles, Alexsandro R.	2021	Vol. 133		31-40
r Zhang, Ruiteng ; et al.	2023	Vol. 152		102953
Wu, Jiasong ; et al.	2023	Vol. 149		63-73
Mai, Van-Khanh ; et al.	2018	Vol. 102		27-38
Yilmaz, Emre ; et al.	2018	Vol. 105		12-22
Dikici, Erinç ; Saraçlar, Murat	2016	Vol. 83		54-63
Neiberg, Daniel ; Salvi, Giampiero ; Gustafson, Joakim	2013	Vol. 55	Issue 3	451-469
Shinoda, Koichi ; et al.	2011	Vol. 53	Issue 3	283-291
Jia, Maoshen ; et al.	2018	Vol. 96		184-196
Chen, Zhehuai ; Qian, Yanmin ; Yu, Kai	2018	Vol. 102		100-111
	Ranjbar, Akbar Hughes, Vincent Lin, Wen-liang; Deng, Zhongliang Liu, Lu-Yao; Liu, Wen-Zhe; Feng, Lin Gao, Heting; et al. Dam, Hai Huyen; Rimantho, Dedi; Nordholm, Sven Teoh, Andrew Beng Jin; Chong, Lee-Ying Soleymani, Roozbeh; Selesnick, Ivan W.; Landsberger, David M. Burnham, Denis; et al. Chen, Fei; Hu, Yi Meireles, Alexsandro R. Zhang, Ruiteng; et al. Wu, Jiasong; et al. Wu, Jiasong; et al. Yilmaz, Emre; et al. Dikici, Erinç; Saraçlar, Murat Neiberg, Daniel; Salvi, Giampiero; Gustafson, Joakim Shinoda, Koichi; et al. Jia, Maoshen; et al.	Ranjbar, Akbar Hughes, Vincent Lin, Wen-liang; Deng, Zhongliang Liu, Lu-Yao; Liu, Wen-Zhe; Feng, Lin Gao, Heting; et al. Dam, Hai Huyen; Rimantho, Dedi; Nordholm, Sven Teoh, Andrew Beng Jin; Chong, Lee-Ying Soleymani, Roozbeh; Selesnick, Ivan W.; Landsberger, David M. Burnham, Denis; et al. 2022 Chen, Fei; Hu, Yi Meireles, Alexsandro R. Chang, Ruiteng; et al. Wu, Jiasong; et al. Wu, Jiasong; et al. Vilmaz, Emre; et al. Dikici, Erinç; Saraçlar, Murat Neiberg, Daniel; Salvi, Giampiero; Gustafson, Joakim Shinoda, Koichi; et al. Jia, Maoshen; et al. 2017 2023	Ranjbar, Akbar 2017 Vol. 94 Hughes, Vincent 2017 Vol. 94 Lin, Wen-liang; Deng, Zhongliang 2017 Vol. 88 Liu, Lu-Yao; Liu, Wen-Zhe; Feng, Lin 2023 Vol. 148 Gao, Heting; et al. 2022 Vol. 136 Dam, Hai Huyen; Rimantho, Dedi; Nordholm, Sven 2013 Vol. 55 Teoh, Andrew Beng Jin; Chong, Lee-Ying 2010 Vol. 52 Soleymani, Roozbeh; Selesnick, Ivan W.; 2018 Vol. 96 Landsberger, David M. 2022 Vol. 141 Chen, Fei; Hu, Yi 2019 Vol. 106 Meireles, Alexsandro R. 2021 Vol. 133 Ir Zhang, Ruiteng; et al. 2023 Vol. 152 Wu, Jiasong; et al. 2023 Vol. 149 In Mai, Van-Khanh; et al. 2018 Vol. 102 Yilmaz, Emre; et al. 2018 Vol. 105 Dikici, Erinç; Saraçlar, Murat 2016 Vol. 83 Neiberg, Daniel; Salvi, Giampiero; Gustafson, Joakim 2011 Vol. 53 Shinoda, Koichi; et al. 2018 Vol. 96	Ranjbar, Akbar 2017 Vol. 94 Hughes, Vincent 2017 Vol. 94 Lin, Wen-liang; Deng, Zhongliang 2017 Vol. 88 Liu, Lu-Yao; Liu, Wen-Zhe; Feng, Lin 2023 Vol. 148 Gao, Heting; et al. 2022 Vol. 136 Dam, Hai Huyen; Rimantho, Dedi; Nordholm, Sven 2013 Vol. 55 Issue 4 Teoh, Andrew Beng Jin; Chong, Lee-Ying 2010 Vol. 52 Issue 2 Soleymani, Roozbeh; Selesnick, Ivan W.; Landsberger, David M. 2018 Vol. 96 Burnham, Denis; et al. 2022 Vol. 141 Chen, Fei; Hu, Yi 2019 Vol. 106 Meireles, Alexsandro R. 2021 Vol. 133 201 Vol. 152 Vol. 152 Wu, Jiasong; et al. 2023 Vol. 149 Mu, Van-Khanh; et al. 2018 Vol. 102 Yilmaz, Emre; et al. 2018 Vol. 105 Dikici, Erinç; Saraçlar, Murat 2016 Vol. 83 Neiberg, Daniel; Salvi, Giampiero; Gustafson, Joakim 2011 Vol. 53 Issue 3 Jia, Maoshen; et al. 2018 Vol. 96

	T				
Sequential classifiers for the prediction of user judgments about spoken dialog systems	Engelbrecht, Klaus-Peter ; Möller, Sebastian	2010	Vol. 52	Issue 10	816-833
Shared and task-specific phase coding characteristics of gamma- and theta- bands in speech perception and covert speech	Moon, Jae ; Chau, Tom	2023	Vol. 147		63-73
Signal subspace approach for psychoacoustically motivated speech enhancement	Borowicz, Adam ; Petrovsky, Alexandr	2011	Vol. 53	Issue 2	210-219
Significance of analytic phase of speech signals in speaker verification.	Vijayan, Karthika ; Reddy, Pappagari Raghavendra ; Murty, K. Sri Rama	2016	Vol. 81		54-71
Significance of phase in single frequency filtering outputs of speech signals	Chennupati, Nivedita ; Kadiri, Sudarsana Reddy ; Yegnanarayana, B.	2018	Vol. 97		66-72
Significance of sonority information for voiced/unvoiced decision in speech synthesis	Sharma, Bidisha ; Prasanna, S. R. Mahadeva	2018	Vol. 99		201-210
Significance of spectral cues in automatic speech segmentation for Indian language speech synthesizers	Baby, Arun ; et al.	2020	Vol. 123		10-25
Silent speech interfaces	Denby, B. ; et al.	2010	Vol. 52	Issue 4	270-287
Silent-speech enhancement using body-conducted vocal-tract resonance signals	Hirahara, Tatsuya ; et al.	2010	Vol. 52	Issue 4	301-313
Similarity and familiarity: Second language sentence recognition in first- and second-language multi-talker babble	Van Engen, Kristin J.	2010	Vol. 52	Issue 11-12	943-953
Simulating vocal learning of spoken language: Beyond imitation	Niekerk, Daniel R. van ; et al.	2023	Vol. 147		51-62
Singing speaker clustering based on subspace learning in the GMM mean supervector space	Mehrabani, Mahnoosh ; Hansen, John H.L.	2013	Vol. 55	Issue 5	653-666
Single and multiple frame coding of LSF parameters using deep neural network and pyramid vector quantizer	Li, Yaxing ; et al.	2020	Vol. 120		1-10
Single-channel multi-talker speech recognition with permutation invariant training	Qian, Yanmin ; Chang, Xuankai ; Yu, Dong	2018	Vol. 104		1-11
Single-channel noise reduction via semi-orthogonal transformations and reduced-rank filtering	Zhang, Wei ; Benesty, Jacob ; Chen, Jingdong	2016	Vol. 78		73-83
Single-channel speech enhancement using improved progressive deep neural network and masking-based harmonic regeneration	Ping, Huang ; Yafeng, Wu	2022	Vol. 145		36-46
Single-channel speech enhancement using inter-component phase relations	Barysenka, Siarhei Y. ; Vorobiov, Vasili I. ; Mowlaee, Pejman	2018	Vol. 99		144-160
Single-channel speech enhancement using spectral subtraction in the short-time modulation domain	Paliwal, Kuldip ; Wójcicki, Kamil ; Schwerin, Belinda	2010	Vol. 52	Issue 5	450-475
	I .	1		_1	

Limits-potential Single-channel speech separation using soft-minimum permutation invariant training Sinusoidal model-based hypernasality detection in cleft palate speech using CVCV sequence Mahadeva; Dandapat, S. Small-vocabulary speech recognition using a silent speech interface based on magnetic sensing SMT-based ASR domain adaptation methods for under-resourced languages: Application to Romanian SNR loss: A new objective measure for predicting the intelligibility of noise-suppressed speech Social resonance and embodied coordination in face-to-face conversation with artificial interlocutors Sonorant spectra and coarticulation distinguish speakers with different dialects Space-and-speaker-aware acoustic modeling with effective data augmentation for recognition of multi-array conversational speech Sparse coding with adaptive dictionary learning for underdetermined blind speech separation Space modeling of neural network posterior probabilities for exemplar-based Dighe, Pranay; Asaei, Afsaneh; Bourlard, Hervé 2016 Vol. 76 1-12 Vol. 124 L-12 Vol. 125 Issue 1 1-12 Vol. 126 L-12 Vol. 127 Vol. 127 Vol. 127 Vol. 128 Vol. 129 Vol. 129 Vol. 129 Vol. 50 Vol. 51 Vol. 52 Vol. 52 Vol. 129 Vol. 120 Vol. 53 Vol. 120 Vol. 120 Vol. 121 Vol. 53 Vol. 121 Vol. 120 Vol. 121 Vol. 53 Vol. 121 Vol. 53 Vol. 124 Vol. 54 Vol. 55 Vol. 124 Vol. 55 Vol. 55 Vol. 55 Vol. 55 Vol. 56 Vol. 56 Vol. 56 Vol. 57 Vol. 50 Vol. 52 Vol. 120 Vol. 52 Vol. 120 Vol. 52 Vol. 120 Vol. 120 Vol. 120 Vol. 121 Vol. 52 Vol. 120 Vol. 120 Vol. 121 Vol. 52 Vol. 121 Vol. 53 Vol. 55 Vol. 122 Vol. 124 Vol. 56 Vol. 57 Vol. 59 Vol. 59 Vol. 59 Vol. 59 Vol. 59 Vol. 59 Vol. 50 Vo	Single-channel speech enhancement with correlated spectral components:	Mowlaee, Pejman ; Stahl, Johannes K.W.	2020	Vol. 121		58-69
trainingCompanies<		mornace, regiman, setam, senames with	2020	10.122		30 03
CVCV sequence Mahadeva; Dandapat, S. 2013 Vol. 55 Issue 1 22-32 magnetic sensing 2013 Vol. 55 Issue 1 22-32 Cucu, Horia; et al. 2014 Vol. 56 Issue 1 22-32 Application to Romanian SNR loss: A new objective measure for predicting the intelligibility of noise-suppressed speech Space-and-speaker-aware acoustic modeling with effective data augmentation for recognition of multi-array conversational speech Space-ding with adaptive dictionary learning for underdetermined blind Sparse modeling of neural network posterior probabilities for exemplar-based Dighe, Pranay; Asaei, Afsaneh; Bourlard, Hervé 2016 Vol. 76 22-32 Vol. 77 Vol. 78 Vol. 79 Vol.		Yousefi, Midia ; Hansen, John H.L.	2023	Vol. 151		76-85
magnetic sensingCucu, Horia; et al.2014Vol. 56195-21SMT-based ASR domain adaptation methods for under-resourced languages: Application to RomanianCucu, Horia; et al.2014Vol. 56195-21SNR loss: A new objective measure for predicting the intelligibility of noise- suppressed speechMa, Jianfen; Loizou, Philipos C.2011Vol. 53Issue 3340-35Social resonance and embodied coordination in face-to-face conversation with artificial interlocutorsKopp, Stefan2010Vol. 52Issue 6587-59Sonorant spectra and coarticulation distinguish speakers with different dialectsThemistocleous, Charalambos; Fyndanis, Valantis; Tsapkini, Kyrana2022Vol. 1421-14Space-and-speaker-aware acoustic modeling with effective data augmentation for recognition of multi-array conversational speechChai, Li; et al.2023Vol. 153102958Sparse coding with adaptive dictionary learning for underdetermined blind speech separationXu, Tao; Wang, Wenwu; Dai, Wei2013Vol. 55Issue 3432-45Sparse modeling of neural network posterior probabilities for exemplar-basedDighe, Pranay; Asaei, Afsaneh; Bourlard, Hervé2016Vol. 76230-24	· · · · · · · · · · · · · · · · · · ·		2020	Vol. 124		1-12
Application to Romanian SNR loss: A new objective measure for predicting the intelligibility of noise-suppressed speech Social resonance and embodied coordination in face-to-face conversation with artificial interlocutors Sonorant spectra and coarticulation distinguish speakers with different dialects France-and-speaker-aware acoustic modeling with effective data augmentation for recognition of multi-array conversational speech Sparse coding with adaptive dictionary learning for underdetermined blind speech separation Sparse modeling of neural network posterior probabilities for exemplar-based Spanse recognition of neural network posterior probabilities for exemplar-based Dighe, Pranay; Asaei, Afsaneh; Bourlard, Hervé 2011 Vol. 53 Issue 3 340-35 Ma, Jianfen; Loizou, Philipos C. Philipos C. Chai, Li cit cit cit cit cit cit cit cit cit ci		Hofe, Robin ; et al.	2013	Vol. 55	Issue 1	22-32
suppressed speechKopp, Stefan2010Vol. 52Issue 6587-59Sonorant spectra and coarticulation distinguish speakers with different dialectsThemistocleous, Charalambos; Fyndanis, Valantis; Tsapkini, Kyrana2022Vol. 1421-14Space-and-speaker-aware acoustic modeling with effective data augmentation for recognition of multi-array conversational speechChai, Li; et al.2023Vol. 153102958Sparse coding with adaptive dictionary learning for underdetermined blind speech separationXu, Tao; Wang, Wenwu; Dai, Wei2013Vol. 55Issue 3432-45Sparse modeling of neural network posterior probabilities for exemplar-basedDighe, Pranay; Asaei, Afsaneh; Bourlard, Hervé2016Vol. 76230-24	·	Cucu, Horia ; et al.	2014	Vol. 56		195-212
Sonorant spectra and coarticulation distinguish speakers with different dialects Space-and-speaker-aware acoustic modeling with effective data augmentation for recognition of multi-array conversational speech Sparse coding with adaptive dictionary learning for underdetermined blind speech separation Sparse modeling of neural network posterior probabilities for exemplar-based Themistocleous, Charalambos; Fyndanis, Valantis; Tsapkini, Kyrana Chai, Li; et al. 2023 Vol. 153 102958 102958 Xu, Tao; Wang, Wenwu; Dai, Wei 2013 Vol. 55 Issue 3 432-45 Sparse modeling of neural network posterior probabilities for exemplar-based Dighe, Pranay; Asaei, Afsaneh; Bourlard, Hervé 2016 Vol. 76 230-24		Ma, Jianfen ; Loizou, Philipos C.	2011	Vol. 53	Issue 3	340-354
Space-and-speaker-aware acoustic modeling with effective data augmentation for recognition of multi-array conversational speech Sparse coding with adaptive dictionary learning for underdetermined blind speech separation Sparse modeling of neural network posterior probabilities for exemplar-based Valantis; Tsapkini, Kyrana Chai, Li; et al. 2023 Vol. 153 102958 Xu, Tao; Wang, Wenwu; Dai, Wei 2013 Vol. 55 Issue 3 432-45 Dighe, Pranay; Asaei, Afsaneh; Bourlard, Hervé 2016 Vol. 76		Kopp, Stefan	2010	Vol. 52	Issue 6	587-597
for recognition of multi-array conversational speech Sparse coding with adaptive dictionary learning for underdetermined blind speech separation Xu, Tao; Wang, Wenwu; Dai, Wei 2013 Vol. 55 Issue 3 432-45 Sparse modeling of neural network posterior probabilities for exemplar-based Dighe, Pranay; Asaei, Afsaneh; Bourlard, Hervé 2016 Vol. 76 230-24	Sonorant spectra and coarticulation distinguish speakers with different dialects		2022	Vol. 142		1-14
speech separation Sparse modeling of neural network posterior probabilities for exemplar-based Dighe, Pranay; Asaei, Afsaneh; Bourlard, Hervé 2016 Vol. 76 230-24		Chai, Li ; et al.	2023	Vol. 153		102958
		Xu, Tao ; Wang, Wenwu ; Dai, Wei	2013	Vol. 55	Issue 3	432-450
speecn recognition	Sparse modeling of neural network posterior probabilities for exemplar-based speech recognition	Dighe, Pranay ; Asaei, Afsaneh ; Bourlard, Hervé	2016	Vol. 76		230-244
Spatial efficiency of blind source separation based on decorrelation – subjective and objective assessment Kociński, Jędrzej ; Libiszewski, Paweł ; Sęk, Aleksander 2011 Vol. 53 Issue 3 390-40			2011	Vol. 53	Issue 3	390-402
Speaker adaptation of language and prosodic models for automatic dialog act segmentation of speech Kolář, Jáchym ; Liu, Yang ; Shriberg, Elizabeth 2010 Vol. 52 Issue 3 236-24		Kolář, Jáchym ; Liu, Yang ; Shriberg, Elizabeth	2010	Vol. 52	Issue 3	236-245
Speaker discrimination: Citation tones vs. coarticulated tonesChan, Ricky K. W.2020Vol. 11738-50	Speaker discrimination: Citation tones vs. coarticulated tones	Chan, Ricky K. W.	2020	Vol. 117		38-50
Speaker models for monitoring Parkinson's disease progression considering different communication channels and acoustic conditions Arias-Vergara, T.; et al 2018 Vol. 101 11-25		Arias-Vergara, T.; et al	2018	Vol. 101		11-25
Speaker recognition based on Arabic phonemesAlsulaiman, Mansour ; Mahmood, Awais ;2017Vol. 8642-51Muhammad, Ghulam	Speaker recognition based on Arabic phonemes		2017	Vol. 86		42-51
Speaker recognition from whispered speech: A tutorial survey and an application of time-varying linear prediction		Vestman, Ville ; et al.	2018	Vol. 99		62-79
Speaker recognition using PCA-based feature transformation Ahmed, Ahmed Isam ; et al. 2019 Vol. 110 33-46	Speaker recognition using PCA-based feature transformation	Ahmed, Ahmed Isam ; et al.	2019	Vol. 110		33-46

Speaker verification score normalization using speaker model clusters	Apsingekar, Vijendra Raj ; De Leon, Phillip L.	2011	Vol. 53	Issue 1	110-118
Speaker-adaptive speech recognition using speaker diarization for improved transcription of large spoken archives	Cerva, Petr ; et al.	2013	Vol. 55	Issue 10	1033-1046
Speaker-independent HMM-based voice conversion using adaptive quantization of the fundamental frequency	Nose, Takashi ; Kobayashi, Takao	2011	Vol. 53	Issue 7	973-985
Speaker-invariant suprasegmental temporal features in normal and disguised speech	Leemann, Adrian ; Kolly, Marie-José	2015	Vol. 75		97-122
Speakers of different L1 dialects with acoustically proximal vowel systems present with similar nonnative speech perception abilities: Data from Greek listeners of Dutch	Georgiou, Georgios P.	2023	Vol. 150		32-40
Speaking style effects in the production of disfluencies	Moniz, Helena ; et al.	2014	Vol. 65		20-35
Speaking-aid systems using GMM-based voice conversion for electrolaryngeal speech	Nakamura, Keigo ; et al.	2012	Vol. 54	Issue 1	134-146
Spectral sparsification of speech signals and its interaction with top-down mechanisms in adult cochlear implant users	Lentz, Benjamin ; Völter, Christiane ; Martin, Rainer	2022	Vol. 144		67-74
Spectral-domain speech enhancement for speech recognition	You, Chang Huai ; Ma, Bin	2017	Vol. 94		30-41
Spectro-temporal analysis of speech signals using zero-time windowing and group delay function	Yegnanarayana, Bayya ; Gowda, Dhananjaya N.	2013	Vol. 55	Issue 6	782-795
Speech and face-to-face communication – An introduction	Dohen, Marion ; Schwartz, Jean-Luc ; Bailly, Gérard	2010	Vol. 52	Issue 6	477-480
Speech bottleneck feature extraction method based on overlapping group lasso sparse deep neural network	Luo, Yuan ; et al.	2018	Vol. 99		56-61
Speech dereverberation using weighted prediction error with correlated inter- frame speech components	Parchami, Mahdi ; Zhu, Wei-Ping ; Champagne, Benoît	2017	Vol. 87		49-57
Speech emotion recognition approaches: A systematic review	Hashem, Ahlam ; Arif, Muhammad ; Alghamdi, Manal	2023	Vol. 154		102974
Speech emotion recognition based on DNN-decision tree SVM model	Sun, Linhui ; et al.	2019	Vol. 115		29-37
Speech emotion recognition using fusion of three multi-task learning-based classifiers: HSF-DNN, MS-CNN and LLD-RNN	Yao, Zengwei ; et al.	2020	Vol. 120		11-19
Speech emotion recognition: Emotional models, databases, features, preprocessing methods, supporting modalities, and classifiers	Akçay, Mehmet Berkehan ; Kaya, Oguz	2020	Vol. 116		56-76
Speech enhancement based on AR model parameters estimation	Deng, Feng ; Bao, Changchun	2016	Vol. 79		30-46
Speech enhancement based on soft audible noise masking and noise power	Yu, Rongshan	2013	Vol. 55	Issue 10	964-974

estimation					
Speech enhancement based on Sparse Code Shrinkage employing multiple speech models	Jančovič, Peter ; Zou, Xin ; Köküer, Münevver	2012	Vol. 54	Issue 1	108-118
Speech enhancement based on β -order MMSE estimation of Short Time Spectral Amplitude and Laplacian speech modeling	Abutalebi, Hamid Reza ; Rashidinejad, Mehdi	2015	Vol. 67		92-101
Speech enhancement by Bayesian estimation of clean speech modeled as super Gaussian given a priori knowledge of phase	Vanambathina, Sunnydayal ; Kumar, T. Kishore	2016	Vol. 77		8-27
Speech enhancement by noise driven adaptation of perceptual scales and thresholds of continuous wavelet transform coefficients	Swami, Preety D. ; et al.	2015	Vol. 70		1-12
Speech enhancement in spectral envelope and details subspaces	Sun, Pengfei ; et al.	2018	Vol. 101		57-69
Speech enhancement of instantaneous amplitude and phase for applications in noisy reverberant environments	Liu, Yang ; et al.	2016	Vol. 84		1-14
Speech enhancement using a DNN-augmented colored-noise Kalman filter	Yu, Hongjiang ; Zhu, Wei-Ping ; Champagne, Benoît	2020	Vol. 125		142-151
Speech enhancement using a minimum mean-square error short-time spectral modulation magnitude estimator	Paliwal, Kuldip ; Schwerin, Belinda ; Wójcicki, Kamil	2012	Vol. 54	Issue 2	282-305
Speech Enhancement Using a Risk Estimation Approach	Sadasivan, Jishnu ; Seelamantula, Chandra Sekhar ; Muraka, Nagarjuna Reddy	2020	Vol. 116		12-29
Speech enhancement using Bayesian estimators of the perceptually-motivated short-time spectral amplitude (STSA) with Chi speech priors	Trawicki, Marek B. ; Johnson, Michael T.	2014	Vol. 57		101-113
Speech enhancement using generalized weighted β-order spectral amplitude estimator	Deng, Feng; Bao, Feng; Bao, Chang-chun	2014	Vol. 59		55-68
Speech enhancement using hidden Markov models in Mel-frequency domain	Veisi, Hadi ; Sameti, Hossein	2013	Vol. 55	Issue 2	205-220
Speech enhancement using MMSE estimation of amplitude and complex speech spectral coefficients under phase-uncertainty	Kandagatla, Ravi Kumar ; Subbaiah, P.V.	2018	Vol. 96		10-27
Speech enhancement using ultrasonic doppler sonar	Lee, Ki-Seung	2019	Vol. 110		21-32
Speech excitation signal recovering based on a novel error mitigation scheme under erasure channel conditions	López-Oller, Domingo ; et al.	2018	Vol. 97		73-80
Speech face perception is locked to anticipation in speech production	Troille, Emilie ; Cathiard, Marie-Agnès ; Abry, Christian	2010	Vol. 52	Issue 6	513-524
Speech intelligibility deterioration for normal hearing and hearing impaired patients with different types of tinnitus	Niewiarowicz, Marek ; et al.	2022	Vol. 139		35-44
Speech intelligibility for different spatial configurations of target speech and	Ozimek, Edward ; et al.	2013	Vol. 55	Issue 10	1021-1032

competing noise source in a horizontal and median plane					
Speech intelligibility from image processing	Hines, Andrew ; Harte, Naomi	2010	Vol. 52	Issue 9	736-752
Speech intelligibility improvement in car noise environment by voice transformation	Nathwani, Karan ; et al.	2017	Vol. 91		17-27
Speech intelligibility prediction using a Neurogram Similarity Index Measure	Hines, Andrew ; Harte, Naomi	2012	Vol. 54	Issue 2	306-320
Speech intelligibility tested by the Pediatric Matrix Sentence test in 3–6 year old children	Ozimek, Edward ; Kutzner, Dariusz ; Libiszewski, Paweł	2012	Vol. 54	Issue 10	1121-1131
Speech intelligibility tests and analysis of confusions and perceptual representations of Thai initial consonants	Tantibundhit, Charturong ; Onsuwan, Chutamanee	2015	Vol. 72		109-125
Speech interfaces based upon surface electromyography	Jorgensen, Charles ; Dusan, Sorin	2010	Vol. 52	Issue 4	354-366
Speech pause distribution as an early marker for Alzheimer's disease	Pastoriza-Domínguez, Patricia ; et al.	2022	Vol. 136		107-117
Speech perception differences in children with dyslexia and persistent speech delay	Cabbage, Kathryn L. ; Hogan, Tiffany P. ; Carrell, Thomas D.	2016	Vol. 82		14-25
Speech quality assessment using 2D neurogram orthogonal moments	Jassim, Wissam A.; Zilany, Muhammad S.A.	2016	Vol. 80		34-48
Speech recognition using cepstral articulatory features	Najnin, Shamima ; Banerjee, Bonny	2019	Vol. 107		26-37
Speech recovery based on the linear canonical transform	Qiu, Wei ; Li, Bing-Zhao ; Li, Xue-Wen	2013	Vol. 55	Issue 1	40-50
Speech reverberation suppression for time-varying environments using weighted prediction error method with time-varying autoregressive model	Parchami, Mahdi ; Amindavar, Hamidreza ; Zhu, Wei-Ping	2019	Vol. 109		1-14
Speech rhythm convergence in a dyadic reading task	Cerda-Oñate, Karina ; Toledo Vega, Gloria ; Ordin, Mikhail	2021	Vol. 131		1-12
Speech signal processing on graphs: The graph frequency analysis and an improved graph Wiener filtering method	Wang, Tingting ; et al.	2021	Vol. 127		82-91
Speech-based recognition of self-reported and observed emotion in a dimensional space	Truong, Khiet P.; Leeuwen, David A. van; Jong, Franciska M.G. de	2012	Vol. 54	Issue 9	1049-1063
Speech-driven animation with meaningful behaviors	Sadoughi, Najmeh ; Busso, Carlos	2019	Vol. 110		90-100
Speech/music classification using phase-based and magnitude-based features	Bhattacharjee, Mrinmoy ; Prasanna, S.R. Mahadeva ; Guha, Prithwijit	2022	Vol. 142		34-48
Spoken dialog systems based on online generated stochastic finite-state transducers	Hurtado, Lluís-F. ; et al.	2016	Vol. 83		81-93
Spoken language recognition based on gap-weighted subsequence kernels	Zhang, Wei-Qiang ; et al.	2014	Vol. 60		1-12
Spoofing and countermeasures for speaker verification: A survey	Wu, Zhizheng ; et al.	2015	Vol. 66		130-153
Spoofing detection goes noisy: An analysis of synthetic speech detection in the presence of additive noise	Hanilçi, Cemal ; et al.	2016	Vol. 85		83-97

Statistical methods for estimation of direct and differential kinematics of the vocal tract	Lammert, Adam ; et al.	2013	Vol. 55	Issue 1	147-161
Statistical model training technique based on speaker clustering approach for HMM-based speech synthesis	ljima, Yusuke ; et al.	2015	Vol. 71		50-61
Statistical modelling of phonetic and phonologised perturbation effects in tonal and non-tonal languages	Chen, Si ; et al.	2017	Vol. 88		17-38
Statistical parametric speech synthesis for Ibibio	Ekpenyong, Moses ; et al.	2014	Vol. 56		243-251
Statistical parametric speech synthesis using a hidden trajectory model	Cai, Ming-Qi ; Ling, Zhen-Hua ; Dai, Li-Rong	2015	Vol. 72		149-159
Strengthening speech content authentication against tampering	Phan, Raphaël CW. ; et al.	2021	Vol. 129		41-57
Sub-band based histogram equalization in cepstral domain for speech recognition	Joshi, Vikas ; et al.	2015	Vol. 69		46-65
Subjective accent strength perceptions are not only a function of objective accent strength. Evidence from Netherlandic Standard Dutch	Grondelaers, Stefan ; Hout, Roeland van ; Harst, Sander van der	2015	Vol. 74		1-11
Subjective and objective measurement of synthesized speech intelligibility in modern telephone conditions	Počta, Peter ; Beerends, John G.	2015	Vol. 71		1-9
Subspace Gaussian mixture based language modeling for large vocabulary continuous speech recognition	Ri, Hyŏn-sun ; Ri, Jong Chol	2020	Vol. 117		21-27
Supervised and semi-supervised infant-directed speech classification for parent-infant interaction analysis	Mahdhaoui, Ammar ; Chetouani, Mohamed	2011	Vol. 53	Issue 9-10	1149-1161
Supervised single-channel speech dereverberation and denoising using a two- stage model based sparse representation	Long, Zhang ; et al.	2018	Vol. 97		1-8
Supervised single-channel speech enhancement using ratio mask with joint dictionary learning	Zhang, Long ; et al.	2016	Vol. 82		38-52
Suppressing the influence of additive noise on the Kalman gain for low residual noise speech enhancement	So, Stephen ; Paliwal, Kuldip K.	2011	Vol. 53	Issue 3	355-378
Survey on bimodal speech emotion recognition from acoustic and linguistic information fusion	Atmaja, Bagus Tris ; Sasou, Akira ; Akagi, Masato	2022	Vol. 140		11-28
Syntactic language modeling with formal grammars	Kaufmann, Tobias ; Pfister, Beat	2012	Vol. 54	Issue 6	715-731
Synthesis and evaluation of conversational characteristics in HMM-based speech synthesis	Andersson, Sebastian ; Yamagishi, Jun'ichi ; Clark, Robert A.J.	2012	Vol. 54	Issue 2	175-188
Synthetic speech detection using phase information.	Saratxaga, Ibon ; et al.	2016	Vol. 81		30-41
Tabby Talks: An automated tool for the assessment of childhood apraxia of speech	Shahin, Mostafa ; et al.	2015	Vol. 70		49-64

	Biro, Tifani ; Olmstead, Annie J. ; Viswanathan, Navin	2022	Vol. 138		13-25
Talker discrimination across languages	Wester, Mirjam	2012	Vol. 54	Issue 6	781-790
Template-matching for text-dependent speaker verification	Dey, Subhadeep ; et al.	2017	Vol. 88		96-105
Temporal AM–FM combination for robust speech recognition	Kubo, Yotaro ; et al.	2011	Vol. 53	Issue 5	716-725
Temporal contrast normalization and edge-preserved smoothing of temporal modulation structures of speech for robust speech recognition	Lu, X. ; et al.	2010	Vol. 52	Issue 1	1-11
Temporal envelope cues and simulations of cochlear implant signal processing	Goldsworthy, Raymond L.	2019	Vol. 109		24-33
Text normalization using memory augmented neural networks	Pramanik, Subhojeet ; Hussain, Aman	2019	Vol. 109		15-23
Text-conditioned Transformer for automatic pronunciation error detection	Zhang, Zhan ; Wang, Yuehai ; Yang, Jianyi	2021	Vol. 130		55-63
Text-dependent speaker verification: Classifiers, databases and RSR2015	Larcher, Anthony ; et al.	2014	Vol. 60		56-77
Text-independent speaker identification using robust statistics estimation	El Ayadi, Moataz ; et al.	2017	Vol. 92		52-63
The acquisition of L2 voiced stops by English learners of Spanish and Spanish learners of English	Gorba, Celia ; Cebrian, Juli	2023	Vol. 146		93-108
The additive effect of turn-taking cues in human and synthetic voice	Hjalmarsson, Anna	2011	Vol. 53	Issue 1	23-35
	Palo, Hemanta Kumar ; Subudhiray, Swapna ; Das, Niva	2023	Vol. 149		11-28
The analysis of the simplification from the ideal ratio to binary mask in signal-to- noise ratio sense	Liang, Shan; et al.	2014	Vol. 59		22-30
The beauty in a beast: Minimising the effects of diverse recording quality on vowel formant measurements in sociophonetic real-time studies	Rathcke, Tamara ; et al.	2017	Vol. 86		24-41
The cross-linguistics perception of liquids: Motivation for the superclass	Howson, Phil J.; Madathodiyil, Irfana	2023	Vol. 151		1-8
	Burchfield, L. Ann ; Antoniou, Mark ; Cutler, Anne	2023	Vol. 153		102963
The development and validation of the Closed-set Mandarin Sentence (CMS) test	Tao, Duo-Duo ; et al.	2017	Vol. 92		125-131
The development of the Geriatric Index of Communicative Ability (GICA) for measuring communicative competence of elderly: A pilot study	Kim, JungWan ; et al.	2014	Vol. 56		63-69
The distinctive effect of providing syllables in letter fluency testing: Literate vs. illiterate elderly persons	Kim, Jung Wan ; Lee, Si Kyung ; Yoon, Ji Hye	2015	Vol. 70		42-48
The effect of clear speech to foreign-sounding interlocutors on native listeners' perception of intelligibility	Kangatharan, Jayanthiny ; Uther, Maria ; Gobet, Fernand	2023	Vol. 150		66-72
The effect of extroversion on communication: Evidence from an interlocutor	O'Carroll, Sinead; Nicoladis, Elena; Smithson,	2015	Vol. 69		1-8

visibility manipulation	Lisa				
The effect of female voice on verbal processing	Smorenburg, Laura ; Chen, Aoju	2020	Vol. 122		11-18
The effect of fluency strategy training on interpreter trainees' speech fluency: Does content familiarity matter?	Yenkimaleki, Mahmood ; Heuven, Vincent J. van ; Hosseini, Mostafa	2023	Vol. 146		1-10
The effect of intermittent noise on lexically-guided perceptual learning in native and non-native listening	Drozdova, Polina ; et al.	2021	Vol. 126		61-70
The effect of sampling variability on systems and individual speakers in likelihood ratio-based forensic voice comparison	Wang, Bruce Xiao ; Hughes, Vincent ; Foulkes, Paul	2022	Vol. 138		38-49
The effect of seeing the interlocutor on auditory and visual speech production in noise	Fitzpatrick, Michael ; Kim, Jeesun ; Davis, Chris	2015	Vol. 74		37-51
The effect of single syllable silent reading and pantomime speech in varied syllable positions on stuttering frequency throughout utterance productions	Hudock, Daniel ; et al.	2015	Vol. 75		76-83
The effect of speech and noise levels on the quality perceived by cochlear implant and normal hearing listeners	Akbarzadeh, Sara ; et al.	2021	Vol. 132		106-113
The effects of perceptual training on speech production of Mandarin sandhi tones by tonal and non-tonal speakers	Chen, Si ; et al.	2022	Vol. 139		10-21
The Fharvard corpus: A phonemically-balanced French sentence resource for audiology and intelligibility research	Aubanel, Vincent ; et al.	2020	Vol. 124		68-74
The Hearing-Aid Speech Perception Index (HASPI)	Kates, James M. ; Arehart, Kathryn H.	2014	Vol. 65		75-93
The Hearing-Aid Speech Perception Index (HASPI) Version 2	Kates, James M. ; Arehart, Kathryn H.	2021	Vol. 131		35-46
The impact of alphabet supplementation and word prediction on sentence intelligiblity of electronically distorted speech	Hanson, Elizabeth K. ; et al.	2010	Vol. 52	Issue 2	99-105
The impact of automatic exaggeration of the visual articulatory features of a talker on the intelligibility of spectrally distorted speech.	Alghamdi, Najwa ; et al.	2017	Vol. 95		127-136
The impact of task automaticity on speech in noise	Vogel, Adam P. ; Fletcher, Janet ; Maruff, Paul	2014	Vol. 65		1-8
The impact of the Lombard effect on audio and visual speech recognition systems	Marxer, Ricard ; et al.	2018	Vol. 100		58-68
The importance of phase in speech enhancement	Paliwal, Kuldip ; Wójcicki, Kamil ; Shannon, Benjamin	2011	Vol. 53	Issue 4	465-494
The influence of auditory-visual speech and clear speech on cross-language perceptual assimilation	Fenwick, Sarah E. ; et al.	2017	Vol. 92		114-124
The influence of lexical knowledge on phoneme discrimination in deaf children with cochlear implants	Bouton, Sophie ; Colé, Pascale ; Serniclaes, Willy	2012	Vol. 54	Issue 2	189-198

The influence of task engagement on phonetic convergence	Biro, Tifani ; Toscano, Joseph C. ; Viswanathan, Navin	2022	Vol. 138		50-66
The interaction between speech intelligibility task and non-auditory tasks	Kociński, Jędrzej	2015	Vol. 66		82-90
The interplay of prosodic cues in the L2: How intonation, rhythm, and speech rate in speech by Spanish learners of Dutch contribute to L1 Dutch perceptions of accentedness and comprehensibility	Maastricht, Lieke van ; et al.	2021	Vol. 133		81-90
The intonation of Persian polar questions	Sadeghi, Vahid	2022	Vol. 145		47-70
The Lombard intelligibility benefit of native and non-native speech for native and non-native listeners	Marcoux, Katherine ; et al.	2022	Vol. 136		53-62
The N400 reveals implicit accent-induced prejudice	Pélissier, Maud ; Ferragne, Emmanuel	2022	Vol. 137		114-126
The Nijmegen Corpus of Casual French	Torreira, Francisco ; Adda-Decker, Martine ; Ernestus, Mirjam	2010	Vol. 52	Issue 3	201-212
The physiological microphone (PMIC): A competitive alternative for speaker assessment in stress detection and speaker verification	Patil, Sanjay A.; Hansen, John H.L.	2010	Vol. 52	Issue 4	327-340
The Prosodic Marionette: A method to visualize speech prosody and assess perceptual and expressive prosodic abilities	Brumberg, Jonathan S. ; Thorson, Jill C. ; Patel, Rupal	2018	Vol. 104		95-105
The Relationship Between Turn-taking, Vocal Pitch Synchrony, and Rapport in Creative Problem-Solving Communication	Yokozuka, Takahiro ; et al.	2021	Vol. 129		33-40
The relative contribution of computer assisted prosody training vs. instructor based prosody teaching in developing speaking skills by interpreter trainees: An experimental study	Yenkimaleki, Mahmood ; Heuven, Vincent van	2019	Vol. 107		48-57
The relevant population in forensic voice comparison: Effects of varying delimitations of social class and age	Hughes, Vincent ; Foulkes, Paul	2015	Vol. 66		218-230
The role of F0 and duration in the identification of wh-in-situ questions in Persian	Shiamizadeh, Zohreh ; Caspers, Johanna ; Schiller, Niels Olaf	2017	Vol. 93		11-19
The role of probability and duration in perception of speech sounds	Park, Seongjin; Warner, Natasha	2023	Vol. 152		102950
The role of prosody and hand gestures in the perception of boundaries in speech ☆	Lelandais, Manon ; Thiberge, Gabriel	2023	Vol. 150		41-65
The role of prosody and voice quality in indirect storytelling speech: A cross- narrator perspective in four European languages	Montaño, Raúl ; Alías, Francesc	2017	Vol. 88		1-16
The role of prosody and voice quality in indirect storytelling speech: Annotation methodology and expressive categories	Montaño, Raúl ; Alías, Francesc	2016	Vol. 85		8-18
The role of visual cues indicating onset times of target speech syllables in release from informational or energetic masking	Wang, Mengyuan ; et al.	2022	Vol. 144		20-25

The role of voice quality and prosodic contour in affective speech perception	Grichkovtsova, Ioulia ; Morel, Michel ; Lacheret, Anne	2012	Vol. 54	Issue 3	414-429
The Romanian speech synthesis (RSS) corpus: Building a high quality HMM-based speech synthesis system using a high sampling rate	Stan, Adriana ; et al.	2011	Vol. 53	Issue 3	442-450
The Second-Language Productivity of Two Mandarin Tone Sandhi Patterns	Qin, Zhen	2022	Vol. 138		98-109
The sound of confidence and doubt	Jiang, Xiaoming ; Pell, Marc D.	2017	Vol. 88		106-126
The sound of im/politeness	Caballero, Jonathan A. ; et al.	2018	Vol. 102		39-53
The sound of Passion and Indifference	Truesdale, Deirdre M. ; Pell, Marc D.	2018	Vol. 99		124-134
The strength of foreign accent in Czech English under adverse listening conditions	Volín, Jan ; Skarnitzl, Radek	2010	Vol. 52	Issue 11-12	1010-1021
The synergy between bounded-distance HMM and spectral subtraction for robust speech recognition	Vicente-Peña, Jesús ; Díaz-de-María, Fernando ; Kleijn, W. Bastiaan	2010	Vol. 52	Issue 2	123-133
The word superiority effect in audiovisual speech perception	Fort, Mathilde ; et al.	2010	Vol. 52	Issue 6	525-532
There goes the neighborhood: Lipreading and the structure of the mental lexicon	Feld, Julia ; Sommers, Mitchell	2011	Vol. 53	Issue 2	220-228
Time-domain deterministic plus noise model based hybrid source modeling for statistical parametric speech synthesis	Narendra, N.P. ; Sreenivasa Rao, K.	2016	Vol. 77		65-83
Time-domain speech enhancement using generative adversarial networks	Pascual, Santiago ; Serrà, Joan ; Bonafonte, Antonio	2019	Vol. 114		10-21
Time-varying sinusoidal demodulation for non-stationary modeling of speech	Sharma, Neeraj Kumar ; Sreenivas, Thippur V.	2018	Vol. 105		77-91
Too fast to be true? Exploring time compression in simultaneous interpreting	Barranco-Droege, Rafael	2015	Vol. 75		84-96
Tooth visualization in vowel production MR images for three-dimensional vocal tract modeling	Zhang, Ju ; Honda, Kiyoshi ; Wei, Jianguo	2018	Vol. 96		37-48
Toward automating a human behavioral coding system for married couples' interactions using speech acoustic features	Black, Matthew P. ; et al.	2013	Vol. 55	Issue 1	1-21
Toward enriched decoding of mandarin spontaneous speech	Deng, Yu-Chih ; et al.	2023	Vol. 154		102983
Toward invariant functional representations of variable surface fundamental frequency contours: Synthesizing speech melody via model-based stochastic learning	Xu, Yi ; Prom-on, Santitham	2014	Vol. 57		181-208
Towards automatic assessment of spontaneous spoken English	Wang, Y. ; et al.	2018	Vol. 104		47-56
Towards precise and robust automatic synchronization of live speech and its transcripts	Gao, Jie ; Zhao, Qingwei ; Yan, Yong-Hong	2011	Vol. 53	Issue 4	508-523

Towards weakly supervised acoustic subword unit discovery and lexicon development using hidden Markov models	Razavi, Marzieh ; Rasipuram, Ramya ; Magimai Doss, Mathew	2018	Vol. 96		168-183
Tracking eyebrows and head gestures associated with spoken prosody	Kim, Jeesun ; Cvejic, Erin ; Davis, Chris	2014	Vol. 57		317-330
Training of reduced-rank linear transformations for multi-layer polynomial acoustic features for speech recognition	Tahir, Muhammad Ali ; et al.	2019	Vol. 110		56-63
Transcribing against time	Sperber, Matthias ; et al.	2017	Vol. 93		20-30
Transfer knowledge for punctuation prediction via adversarial training	Yi, Jiangyan ; et al.	2023	Vol. 149		1-10
Transfer learning for PLDA-based speaker verification	Hong, Qingyang ; et al.	2017	Vol. 92		90-99
Turn-taking, feedback and joint attention in situated human-robot interaction	Skantze, Gabriel ; Hjalmarsson, Anna ; Oertel, Catharine	2014	Vol. 65		50-66
Two-pitch tracking in co-channel speech using modified group delay functions	Rajan, Rajeev ; Murthy, Hema A.	2017	Vol. 89		37-46
Two-stage binaural speech enhancement with Wiener filter for high-quality speech communication	Li, Junfeng ; et al.	2011	Vol. 53	Issue 5	677-689
Two-stage dimensional emotion recognition by fusing predictions of acoustic and text networks using SVM	Atmaja, Bagus Tris ; Akagi, Masato	2021	Vol. 126		9-21
Uncertainty assessment for detection of spoofing attacks to speaker verification systems using a Bayesian approach	Süslü, Çağıl ; Eren, Eray ; Demiroğlu, Cenk	2022	Vol. 137		44-51
Uncertainty decoding on Frequency Filtered parameters for robust ASR	Vicente-Peña, Jesús ; Díaz-de-María, Fernando	2010	Vol. 52	Issue 5	440-449
Unconventional spoken iconicity follows a conventional structure: Evidence from demonstrations	Thompson, Arthur Lewis ; Do, Youngah	2019	Vol. 113		36-46
Under-determined reverberant audio source separation using Bayesian Nonnegative Matrix Factorization.	Mirzaei, Sayeh ; Van Hamme, Hugo ; Norouzi, Yaser	2016	Vol. 81		129-137
Underdetermined blind separation of overlapped speech mixtures in time- frequency domain with estimated number of sources	Zhang, Haijian ; et al.	2017	Vol. 89		1-16
Understanding acceptability of disordered speech through Audience Response Systems-based evaluation	Strömbergsson, Sofia ; et al.	2021	Vol. 131		13-22
Uneven success: automatic speech recognition and ethnicity-related dialects	Wassink, Alicia Beckford ; Gansen, Cady ; Bartholomew, Isabel	2022	Vol. 140		50-70
Unified framework for basis-based speaker adaptation based on sample covariance matrix of variable dimension	Jeong, Yongwon	2013	Vol. 55	Issue 2	340-346
Unsupervised accent classification for deep data fusion of accent and language information	Hansen, John H.L. ; Liu, Gang	2016	Vol. 78		19-33
Unsupervised and phonologically controlled interpolation of Austrian German	Toman, Markus ; et al.	2015	Vol. 72		176-193
				•	

language varieties for speech synthesis					
Unsupervised Automatic Speech Recognition: A review	Aldarmaki, Hanan ; et al.	2022	Vol. 139		76-91
Unsupervised single channel speech separation based on optimized subspace separation	Wiem, Belhedi ; et al.	2018	Vol. 96		93-101
Unsupervised training and directed manual transcription for LVCSR	Yu, Kai ; et al.	2010	Vol. 52	Issue 7-8	652-663
Unsupervised visualization of Under-resourced speech prosody	Ekpenyong, Moses ; Inyang, Udoinyang ; Udoh, EmemObong	2018	Vol. 101		45-56
Updating the Silent Speech Challenge benchmark with deep learning	Ji, Yan ; et al.	2018	Vol. 98		42-50
Use of affect context in dyadic interactions for continuous emotion recognition	Fatima, Syeda Narjis ; Erzin, Engin	2021	Vol. 132		70-82
Use of baseband phase structure to improve the performance of current speech enhancement algorithms	Patil, Sanjay P. ; Gowdy, John N.	2015	Vol. 67		78-91
Use of speech presence uncertainty with MMSE spectral energy estimation for robust automatic speech recognition	Stark, Anthony ; Paliwal, Kuldip	2011	Vol. 53	Issue 1	51-61
Using a single-channel reference with the MBSTOI binaural intelligibility metric	Guiraud, Pierre ; et al.	2023	Vol. 149		74-83
Using articulatory likelihoods in the recognition of dysarthric speech	Rudzicz, Frank	2012	Vol. 54	Issue 3	430-444
Using automatic speech recognition to assess spoken responses to cognitive tests of semantic verbal fluency	Pakhomov, Serguei V.S. ; et al.	2015	Vol. 75		14-26
Using different acoustic, lexical and language modeling units for ASR of an under-resourced language – Amharic	Tachbelie, Martha Yifiru ; Abate, Solomon Teferra ; Besacier, Laurent	2014	Vol. 56		181-194
Using iterative adaptation and dynamic mask for child speech extraction under real-world multilingual conditions	Cheng, Shi ; et al.	2023	Vol. 152		102956
Using language cluster models in hierarchical language identification	Irtza, Saad ; et al.	2018	Vol. 100		30-40
Using Laplacian eigenmaps latent variable model and manifold learning to improve speech recognition accuracy	Jafari, Ayyoob ; Almasganj, Farshad	2010	Vol. 52	Issue 9	725-735
Using LR-based discriminant kernel methods with applications to speaker verification	Chao, Yi-Hsiang	2014	Vol. 57		76-86
Using out-of-language data to improve an under-resourced speech recognizer	Imseng, David ; et al.	2014	Vol. 56		142-151
Using prosody to improve automatic speech recognition	Vicsi, Klára ; Szaszák, György	2010	Vol. 52	Issue 5	413-426
Using STFT real and imaginary parts of modulation signals for MMSE-based speech enhancement	Schwerin, Belinda ; Paliwal, Kuldip	2014	Vol. 58		49-68
Utterance partitioning with acoustic vector resampling for GMM–SVM speaker verification	Mak, Man-Wai ; Rao, Wei	2011	Vol. 53	Issue 1	119-130
Variational conditional random fields for online speaker detection and tracking	Moattar, M.H.; Homayounpour, M.M.	2012	Vol. 54	Issue 6	763-780

Variational noise model composition through model perturbation for robust speech recognition with time-varying background noise	Kim, Wooil ; Hansen, John H.L.	2011	Vol. 53	Issue 4	451-464
Verbalization has regulatory influences on autonomic activity during recall of unpleasant experience	Rantanen, Antti ; et al.	2021	Vol. 126		1-8
Very low bit-rate F0 coding for phonetic vocoders using MSD-HMM with quantized F0 symbols	Nose, Takashi ; Kobayashi, Takao	2012	Vol. 54	Issue 3	384-392
Video-realistic expressive audio-visual speech synthesis for the Greek language	Filntisis, Panagiotis Paraskevas ; et al.	2017	Vol. 95		137-152
Vocal aging effects on F0 and the first formant: A longitudinal analysis in adult speakers	Reubold, Ulrich; Harrington, Jonathan; Kleber, Felicitas	2010	Vol. 52	Issue 7-8	638-651
Vocal characteristics of accuracy in eyewitness testimony	Gustafsson, Philip U.; Laukka, Petri; Lindholm, Torun	2023	Vol. 146		82-92
Vocal efficiency of electrolaryngeal speech production	Wu, Liang ; et al.	2017	Vol. 89		17-24
Vocal frequency estimation and voicing state prediction with surface EMG pattern recognition	De Armas, Winston ; Mamun, Khondaker A. ; Chau, Tom	2014	Vol. 63-64		15-26
Voice conversion based on feature combination with limited training data	Ghorbandoost, Mostafa ; et al.	2015	Vol. 67		113-128
Voice conversion based on Gaussian processes by coherent and asymmetric training with limited training data	Xu, Ning; et al.	2014	Vol. 58		124-138
Voice conversion for emotional speech: Rule-based synthesis with degree of emotion controllable in dimensional space	Xue, Yawen ; Hamada, Yasuhiro ; Akagi, Masato	2018	Vol. 102		54-67
Voice conversion with SI-DNN and KL divergence based mapping without parallel training data	Xie, Feng-Long ; Soong, Frank K. ; Li, Haifeng	2019	Vol. 106		57-67
Voice source under cognitive load: Effects and classification	Yap, Tet Fei ; et al.	2015	Vol. 72		74-95
Voice/non-voice detection using phase of zero frequency filtered speech signal.	Sunil Kumar, S.B.; Sreenivasa Rao, K.	2016	Vol. 81		90-103
Voiced/nonvoiced detection in compressively sensed speech signals	Abrol, Vinayak ; Sharma, Pulkit ; Sao, Anil Kumar	2015	Vol. 72		194-207
VoiceHome-2, an extended corpus for multichannel speech processing in real homes	Bertin, Nancy ; et al.	2019	Vol. 106		68-78
Voks: Digital instruments for chironomic control of voice samples	Locqueville, Grégoire ; et al.	2020	Vol. 125		97-113
Vowel detection using a perceptually-enhanced spectrum matching conditioned to phonetic context and speaker identity	Baradaran Kashani, Hamidreza ; Sayadiyan, Abolghasem ; Sheikhzadeh, Hamid	2017	Vol. 91		28-48
Vowels and tones as acoustic cues in Chinese subregional dialect identification	Liu, Huangmei ; et al.	2020	Vol. 123		59-69
Wavelet leader multifractal analysis of period and amplitude sequences from sustained vowels	Leonarduzzi, Roberto F. ; et al.	2015	Vol. 72		1-12
Web-based tools and methods for rapid pronunciation dictionary creation	Schlippe, Tim; Ochs, Sebastian; Schultz, Tanja	2014	Vol. 56		101-118

			1		
Wh-question or wh-declarative? Prosody makes the difference	Yang, Yang ; Gryllia, Stella ; Cheng, Lisa Lai-Shen	2020	Vol. 118		21-32
When BEAT becomes HOUSE: Factors of word final /t/-deletion in German	Zimmerer, Frank ; Scharinger, Mathias ; Reetz, Henning	2011	Vol. 53	Issue 6	941-954
Where has all the power gone? Energy production and loss in vocalization	Titze, Ingo R.	2018	Vol. 101		26-33
Which prosodic features contribute to the recognition of dramatic attitudes?	Barbulescu, Adela ; Ronfard, Rémi ; Bailly, Gérard	2017	Vol. 95		78-86
Which words are hard to recognize? Prosodic, lexical, and disfluency factors that increase speech recognition error rates	Goldwater, Sharon ; Jurafsky, Dan ; Manning, Christopher D.	2010	Vol. 52	Issue 3	181-200
Whisper to normal speech conversion using pitch estimated from spectrum	Konno, Hideaki ; et al.	2016	Vol. 83		10-20
Who converges? Variation reveals individual speaker adaptability	Lee, Yoonjeong ; et al.	2021	Vol. 131		23-34
Why is Danish so difficult to understand for fellow Scandinavians?	Schüppert, Anja ; Hilton, Nanna H. ; Gooskens, Charlotte	2016	Vol. 79		47-60
Why listening in background noise is harder in a non-native language than in a native language: A review	Scharenborg, Odette ; Os, Marjolein van	2019	Vol. 108		53-64
Wiener filtering based speech enhancement with Weighted Denoising Auto- encoder and noise classification	Xia, Bingyin ; Bao, Changchun	2014	Vol. 60		13-29
wUnet: A new network used for ultrasonic tongue contour extraction	Li, Guoyan ; et al.	2022	Vol. 141		68-79