



**Indira Gandhi Delhi Technical University for Women
Kashmere Gate, Delhi-110006, India**

**26th INTERNATIONAL CONFERENCE ON Oriental-COCOSDA
(4th-6th December, 2023)**

OCOCOSDA 2023 Program Sessions

Day 1: December 4,2023 Monday Time in IST				
Local Time (IST)	Session	Session Chair	Schedule	Venue
9:00 - 10:00			Registration process	Auditorium
10:00 - 11:00			Opening Ceremony	Auditorium
11:00 - 11:30			High Tea	Auditorium
11:30 - 12:25	Keynote 1	Prof. S S Agrawal	Prof. Minematsu Nobuaki Graduate School of Engineering. The University of Tokyo	Seminar Hall (Admin Block)

<p>12:25 -14:00 PM</p>	<p>Session 1: Speech Recognition & Synthesis</p>	<p>Prof. Rohit Sinha</p>	<p>PID:56 - Designing and Developing a Marathi Speech Database for Native and Non-Native Emotional Speech in the Marathi Language</p> <p>PID:63 - NayanCom - A Smart Patient Communication System</p> <p>PID:64 - Automated Diagnosis of Parkinson's Disease using Speech Signals with Machine Learning</p> <p>PID:34 - VoiceBank-2023: A Multi-Speaker Mandarin Speech Corpus for Constructing Personalized TTS Systems for the Speech Impaired</p> <p>PID:80 - Enhancing Efficiency and Conservation via Speech Processing in Lutyens's Delhi Residential Revitalization</p> <p>PID:168 - CTC-Based End-to-End Speech Recognition for Low Resource Language Sanskrit</p> <p>PID:137 - Leveraging Cross Lingual Speech Representations To Build ASR For Under-resourced Languages</p> <p>PID:143 - Investigating Activation Functions to Enhance Speaker Identification with LSTM Networks</p>	<p>Seminar Hall (Admin Block)</p>
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12:25 -14:00 PM	Session 2 (Online): Speech Understan ding <i>Time zone: Asia/ Kolkata Google Meet joining info Video call link: https:// meet.google .com/gnu- qfkd-sim Or dial: (US) +1 732-661-87 41 PIN: 178 513 671#</i>	Prof. Ratnadeep Deshmukh	PID:8 - Construction and analysis of Tibetan Khampa dialect corpus for speech synthesis PID: 28 - Convolutional Recurrent Neural Network with Attention Mechanism and Feature Aggregation for Voice Activity Detection PID: 57 - An Isolated Words Balanced Corpus for Native and Non-Native Urdu Speakers in Automatic Speech Recognition PID: 58 - Enhancing Sanskrit Isolated Word Recognition: A Comparative Analysis of MFCC and SVM Feature Integration PID: 94 - Heterogeneous Network Framework with Attention Mechanism of Speech Enhancement for Car Intelligent Cockpit Speech Recognition PID: 97 - Analysis of Non-Matching Reference Approach to Predict Speech Intelligibility	Conference Hall (Admin Block)
14:00 - 14:45	Lunch Break			Outside Seminar Hall (Admin Block)
14:45 - 15:40	Keynote 2	Prof. Satoshi Nakamura	Prof. Gerard Bailly CNRS, Grenoble-Alps Univ. & INP Grenoble	Seminar Hall (Admin Block)

15:45 -17:15	Session 3(Offline): Speech Processing	Prof. Samudra Vijaya K	<p>PID:55 - Zero-shot Mispronunciation Detection by Knowledge-based Data Augmentation</p> <p>PID:169 - Analysis and Classification of Dysarthric Speech</p> <p>PID:26 - Speech Watermarking for Tampering Detection Using Singular Spectrum Analysis with a Psychoacoustic Mode</p> <p>PID:84 - Generating Speech with Prosodic Prominence based on SSL-Visually Grounded Models.</p> <p>PID:107 - Leveraging Speech Recognition for Smart Urban Last Mile Connectivity Enhancement</p> <p>PID:140 - An Ensemble Approach for Speaker Recognition using Deep Neural Networks</p> <p>PID:39 - E2E Refined Dataset</p> <p>PID:125 - Beamforming using Different Window Techniques for Near Field Speech in Anechoic and Reverberant Environment</p>	Seminar Hall (Admin Block)
15:45 -17:15	Session 4 (online): Speech Science <i>Time zone: Asia/ Kolkata Google Meet joining info Video call link: https://meet.google.com/hhc-hdoo-aht Or dial: (US) +1 484-423-4014 PIN: 897 270 687#</i>	Prof. Karunesh Arora	<p>PID:177 - Data augmentation strategies for low resource conversational code-switching</p> <p>PID: 99 - Empirical Analysis of Phonological and Prosodic Features of Native and Non-Native Hindi Speakers</p> <p>PID:6 - Second Language Accent Perception and Language Attitude by Mandarin and Cantonese Speakers in Mainland China</p> <p>PID:36 - Acoustic Development of Vowel Production by Prelingually Deaf Chinese Mandarin-speaking Children with Cochlear Implants.</p> <p>PID:43 - Acoustic Features and Patterns of Chinese sibilants and English Fricatives by Native Uyghur Speakers.</p> <p>PID:54 - The Effects of Aging on Electroglottographic and Acoustic Parameters of Voices and the Detection of Change Points in Vocal Aging.</p> <p>PID:67 - A Research on Uyghur Primary Teachers' Production Characteristics and Hierarchy of Difficulty in Acquiring Vowels of Standard Chinese</p>	Conference Hall (Admin Block)

17:15 - 17:45	Tea Break concluding day 1	Outside Seminar Hall (Admin Block)
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Day 2: December 5, 2023 Tuesday				
Local Time (IST)	Session	Session Chair	Schedule	Venue
10:00 - 11:30	Session 5 (Offline): Speech Linguistics	Prof. S. R. M. Prasanna	<p>PID:38 - TAIWANESE HAKKA ACROSS TAIWAN CORPUS AND FORMOSA SPEECH RECOGNITION CHALLENGE 2023 – HAKKA ASR</p> <p>PID:142 - Fine-tuning the Wav2Vec2 Model for Automatic Speech Emotion Recognition System</p> <p>PID:13 - PERCEPTION OF LONG AND SHORT VOWEL CONTRAST IN MONGOLIAN</p> <p>PID:16 - Real-time Hate Speech Detection in Live Streaming Platforms using Quantum Machine Learning</p> <p>PID:25 - Prosody in Everyday Japanese Conversation at the Clause Final</p> <p>PID:27 - NITK-KLESC: Kannada Language Emotional Speech Corpus for Speaker Recognition</p> <p>PID:167 - Speech Recognition Applications in Enhancing Safety for Women in Built Environment 1</p> <p>PID:123 - M-Diarization: A Myanmar Speaker Diarization using Multi-scale dynamic weights</p>	Conference Hall (Admin Block)

10:00 - 11:30	Session 6 (Offline): Cross-Lingual Speech Analysis	Prof. Arun Sharma	<p>PID:33 - Duration Properties and Contrast Preservation in Taifeng Tone Sandhi</p> <p>PID:81 - Emotion Prediction Using Multi-source Biosignals During Cognitive Behavior Therapy with Conversational Virtual Agents</p> <p>PID:154 - Exploration of Speech Rhythm in Deori L1 and L2</p> <p>PID:148 - Focus and Intonation in Dimasa</p> <p>PID:139 - ViQG: Web Tool for Automatic Question Generation from Code for Viva Preparation</p> <p>PID:141 - Efficiently Transferring Pre-trained Language Model RoBERTa Base English to Hindi Using WECHSEL</p> <p>PID:48 - Comparative Analysis of Direct Speech-to-Speech Translation and Voice Conversion Using Bi-LSTM</p> <p>PID:76 - Spoken Language Identification Using Convolutional Neural Network In Nepalese Context</p>	Seminar Hall (Admin Block)
11:30 - 11:45	High Tea			Outside Seminar Hall (Admin Block)
11:45 - 12:35	Keynote 3	Prof. Gerard Bailly	Prof. S R N Prasanna IIT Dharwad	Seminar Hall (Admin Block)

12:35 - 14:00	Session 7 (Offline): Cross-Cultural Speech Studies	Dr. A K Mohapatra	<p>PID:53 - Advancing Transfer Learning Paradigms for Myanmar (Burmese) to Wa (Austroasiatic Language Family) Language Translation</p> <p>PID:90 - Exploring Difficulties Encountered by Professional Interpreters in Japanese-to-English and English-to-Japanese Simultaneous Translation</p> <p>PID:156 - Optimizing Direct Speech-to-Text Translation for un-orthographic low-resource tribal languages using source transliteration</p> <p>PID:51 - Type-Token Analysis on LDC-IL Text Corpus</p> <p>PID:52 - Evaluation of Assamese Speech Data Transcriptions by Levenshtein Distance</p> <p>PID:83 - Speech Enhancement And Noise Reduction In Forensic Applications</p> <p>PID:149: - The Potential of Speech Technology to Enhance the Quality of Life in Historic Cities</p> <p>PID:157 - Automatic Syllabification of Bengali in SPPAS</p>	
14:00 - 14:45	Lunch			Outside Seminar Hall (Admin Block)
14:45 – 15:35	Keynote 4	Prof. Minematsu	Prof. Rohit Sinha Professor & HoD Department of Electronics and Electrical Engineering, IIT Guwahati	Seminar Hall (Admin Block)
15:35 - 16:00	Felicitation Ceremony			Seminar Hall (Admin Block)
16:00 - 17:00	Steering Committee Meet			Conference Hall (Admin Block)
17:00 - 17:30	Tea Break			Seminar Hall (Admin Block)
17:30 - 18:00	Poster Presentation			Admin Block
18:00 PM onwards	Gala Dinner			India International Centre (IIC). Delhi India
Day 3: December 6, 2023 Wednesday				

Local Time (IST)	Session	Session Chair	Schedule	Venue
10:00 - 11:30	Session 8 (Online): Intonation Variations <i>Time zone: Asia/ Kolkata Google Meet joining info Video call link: https://meet.google.com/vsd-nnoj-qed Or dial: (US) +1 224-458-3363 PIN: 540 389 505#</i>	Prof. Poonam Bansal	PID:85 - An Experimental Study on Declarative and Interrogative Sentences in Shanghai Chinese PID:37 - Prosodic Encoding of Focus and Interrogative mood in Tianjin Dialect PID:41- Investigation of Validity of Paradigmatic Diagnosis for Downstep in Japanese PID:153 - Feature Comparison for Speech Emotion Recognition on Hindi Language PID:164 - Few-shot meta multilabel classifier for low resource accented code-switched speech PID:172 - Yangru Tone in Southern Min: Variation across Contexts	Conference Hall (Admin Block)
10:00 - 11:30	Session 9 (Online): Language processing and NLU <i>Time zone: Asia/ Kolkata Google Meet joining info Video call link: https://meet.google.com/xff-cmpf-irj Or dial: (US) +1 252-787-0077 PIN: 929 367 054#</i>	Dr. Swaran Lata	PID:73 - The Development of a Thai Telephone Conversational Speech Corpus PID:47 - Speech Dataset Development for a Low-Resource Tibeto-Burman Tonal Language PID:42 - INTO_CASS_HEFEI: A Speech Corpus for Intonation and Prosody Study of Chinese Hefei Dialect PID:2 - TELUGU VAKYALU: SPOKEN TELUGU SENTENCES FOR IOT APPLICATIONS PID:92 - IIITH MM2 Speech-Text: A preliminary data for automatic spoken data validation with matched and mismatched speech-text content PID:49 - End-to-End Cross-Lingual Voice Conversion using CycleGAN for Low Resource Indian Languages	Seminar Hall
11:30 - 11:45			High Tea	Outside Seminar Hall (Admin Block)
11:45 - 13:00			Country Report	Seminar Hall

13:00 - 13:55	Keynote 5	Prof. S Sakti	Prof. Joseph Mariani Directeur de Recherche Émérite au CNRS LISN Rue John von Neumann Université Paris-Saclay	Seminar Hall (Admin Block)
14:00 - 14:45	LUNCH			Outside Conference Hall (Admin Block)
14:45 - 16:15	Session 10 (Offline): Spoken and Written Language Repositori es	Prof. Joseph Mariani	<p>PID:146 - Transforming Shahjahanabad into a Smart Heritage City Integrating Good Governance, Speech, and IoT Technologies for Sustainable Urban Development</p> <p>PID:151 - ASHI: A Database of Assamese Accented Hindi</p> <p>PID:155 - SPIRE-SIES: A Spontaneous Indian English Speech Corpus</p> <p>PID:147 - Empirical Analysis of Machine Learning Models on Parkinson's Speech Dataset</p> <p>PID:161 - Design and Validation of HindiSER: Speech Emotion Recognition Dataset for Hindi Language</p> <p>PID:163 - Designing an IVR-based Speech Data collection Framework for building Realistic Speech Corpus on Forensic Automatic Speaker Recognition</p> <p>PID:171 - A novel approach for bootstrapping and automatic transcription of low resourced language speech corpus</p> <p>PID:10 - ChatterBot – An AI Conversational Entity</p>	Seminar Hall (Admin Block)
16:15 – 16:30	Break			
16:30 - 17:30	Valedictory Ceremony			Seminar Hall (Admin Block)
17:30 - 18:00	Tea Break (Conference Closing)			Outside Seminar Hall (Admin Block)