

Technical Program

Wednesday, 25 April 2018

09:00 – 09:15	Opening Session: Opening address
09:15 – 10:15	Keynote 1: Gérard Chollet Privacy Preserving Speech Processing
10:15 – 10:30	Coffee break
10:30 – 12:10	Oral Session 1: Speech analysis Chair: Gérard Chollet
10:30 – 10:50	Naima Zerari, Samir Abdelhamid, Hassen Bouzgou and Christian Raymond. Bi-directional Recurrent End-to-End Neural Network Classifier for Spoken Arab Digit Recognition
10:50 – 11:10	Hasna Zaouali, Béatrice Vaxelaire, Christian Debry, Philippe Schultz, Guy Bronner and Rudolph Sock. An acoustic study of plosive consonants produced by patients with and without reconstruction after partial or total glossectomy. Focusing on VOT
11:10 – 11:30	Ahmed Krobba, Mohamed Debyeche and Sid Ahmed Selouani. Robust Speaker Verification System in Acoustic Noise Mobile by using Multitaper Gammaton Hilbert Envelope Coefficients
11:30 – 11:50	Ghribi Khadidja, Djendi Mohamed and Berkani Daoud. A Wavelet-NLMS Algorithm implemented in FBSS structure for Acoustic Noise Reduction and Speech Enhancement
11:50 – 12:10	Fayssal Bouarourou, Tomoki Koya, Saïd Bouzidi, Béatrice Vaxelaire and Rudolph Sock. Cross-Language and Language-Specific Acoustic Correlates of Geminaton in Berber and Japanese
12:10 – 13:10	Lunch break
13:10 – 14:10	Oral Session 2: Languages & Resources Chair: Mourad Abbas
13:10 – 13:30	Cilia Lachichi, Chahrazad Bendiaf, Lamia Berkani and Ahmed Guessoum. An Arabic WordNet Enrichment Approach using Machine Translation and External Linguistic Resources
13:30 – 13:50	Olçay Taner Yıldız, Koray Ak, Gökhan Ercan, Ozan Topsakal and Cengiz Asmazoğlu. A Multilayer Annotated Corpus for Turkish
13:50 – 14:10	Sinan Akçakaya and Olçay Taner Yıldız. An All-Words Sense Annotated Turkish Corpus
14:10 – 15:10	Keynote 2: Djamel Bouchaffra Artificial Intelligence and Machine Learning Challenges
15:10 – 17:10	Oral Session3: Information Extraction Chair: Ahmed Guessoum
15:10 – 15:30	Abed Alhakim Freihat, Gabor Bella, Hamdy Mubarak and Fausto Giunchiglia. Corpus-based Solution to the Arabic Low Level NLP Tasks
15:30 – 15:50	Osama Hamed and Torsten Zesch. Exploring the Effects of Diacritization on Arabic Frequency Counts
15:50 – 16:10	Fayçal Nouar and Hacene Belhade. Evaluation of topic segmentation algorithms on Arabic texts
16:10 – 16:30	Bendib Issam and Laouar Mohamed Ridda. A Semantic Indexing Approach of Multimedia Documents Content Based Partial Transcription
16:30 – 16:50	Stephen Taylor and Tomáš Brychcín. Arabic Word Analogies and Semantics of Simple Phrases

Thursday, 26 April 2018

08:30 – 09:30	Keynote 3: Alberto Barrón-Cedeño Assessing Text Similarity across Languages
09:30 – 10:30	Oral Session 4: Dialects Processing Chair: Fayssal Bouarourou
09:30 – 09:50	Areej Alshutayri and Eric Atwell. Arabic Dialects Annotation using an Online Game
09:50 – 10:10	Mohsen Mofteh, Waleed Fakhr and Salwa El Ramly. Arabic Dialect Identification based on Motif Discovery Using GMM-UBM with different Motif Lengths
10:10 – 10:30	Soumia Bougrine, Hadda Cherroun and Ahmed Abdelali. Spoken Arabic Dialect Identification using Prosody: Case of Algerian Sub-Dialects
10:30 – 11:00	Coffee Break
11:00 – 13:10	Oral Session 5: Language Processing Chair: Hadda Cherroun
11:00 – 11:20	Nacer Eddine Benzebouchi, Nabiha Azizi and Monther Aldwairi. Multi-Classifer System for Authorship Verification task using Word Embeddings
11:20 – 11:40	El Moatez Billah Nagoudi, Hadda Cherroun and Ali Alshehri. Intelligent Plagiarism Detection in Arabic Text Documents
11:40 – 12:00	M'Hamed Mataoui, Tadj Eddine Bendali, Imad Tellache, Abdelghani Bakhtouchi and Omar Zelmati. A New Syntax-Based Aspect Detection Approach for Sentiment Analysis in Arabic Reviews
12:00 – 12:20	Mostafa Elaraby, Ahmed Tawfik, Mahmoud Khaled, Hany Hassan and Aly Osama. Gender Aware Spoken Language Translation Applied to English-Arabic
12:20 – 12:40	John Lee and Chak Yan Yeung. Automatic Prediction of Vocabulary Knowledge for Learners of Chinese as a Foreign Language
12:40 – 13:40	Lunch break
13:40 – 15:00	Poster Session
	Mourad Abbas and Dhia El Hak Megtoui. Towards a practical and efficient WER Calculation for Arabic ASR systems
	Mazen Nabil Elagamy, Clare Stanier and Bernadette Sharp. Stock Market Random Forest-Text Mining System Mining Critical Indicators of Stock Market Movements
	Ghribi Khadidja, Djendi Mohamed and Berkani Daoud. Thresholding Wavelet-based Forward BSS Algorithm for Speech Quality Enhancement and Complexity Reduction
	Benaissa Kebir and Mourad Abbas. Differences between (dād) and (zā') in Pronunciation and Writing: a Theoretical Study
	Ouassila Kenai, Nassim Asbai, Siham Ouamour, Mhania Guerti and Salim Djeghiour. Speaker Diarization and Detection System using A Priori Speaker Information
	Messaouda Boumaraf and Fatiha Merazka. Partial and Full Speech Encryption Schemes Based on 1D Chaotic Maps for AMR-WB Codec
	Dalila Bouras, Mohamed Amroun and Hakim Bendjanna. A Review of Recent Aspect Extraction Techniques for Opinion Mining Systems
	Mohamed Dahmani and Mhania Guerti. Glottal Signal Parameters as features set for Neurological voice disorders diagnosis using K-Nearest Neighbors (KNN)
	Adil Bakri, Abderrahmane Amrouche and Mourad Abbas. An Improved Packet Loss Concealment Technique a Condition Packet Loss for Speech Transmission in VOIP
	Randa Benkhelifa and Nasria Bouhyaoui. A Demographic-based Approach for Improved Content Categorization in social networking
	Ahmed Merrad, Slami Saadi, Ali Benziane and Ahmed Hafaifa. Robust Blind Approach for Digital Speech Watermarking
	Yaaqoub Bennane, Abdellah Kacha and Francis Grenez. A Synthesizer of Diplophonic Voices
	Fisli Sofiane, Djendi Mohamed and Guessoum Abderrezak. Modified Predator-Prey Particle Swarm Optimization Based Two-Channel Speech Quality Enhancement by Forward Blind Source Separation
	Ankush Khandelwal, Sahil Swami, Syed Sarfaraz Akhtar and Manish Shrivastava. A Dataset for Gender Prediction in English-Hindi Code-Mixed Social Media Texts
	Sahil Swami, Ankush Khandelwal, Vinay Singh, Syed Sarfaraz Akhtar and Manish Shrivastava. A Corpus of English-Hindi Code-Mixed Tweets for Sarcasm Detection
	Sahil Swami, Ankush Khandelwal, Vinay Singh, Syed Sarfaraz Akhtar and Manish Shrivastava. An English-Hindi Code-Mixed Corpus: Stance Annotation and Baseline System
15:00 – 15:30	Closing Session
15:30 - 17:00	Local tour