

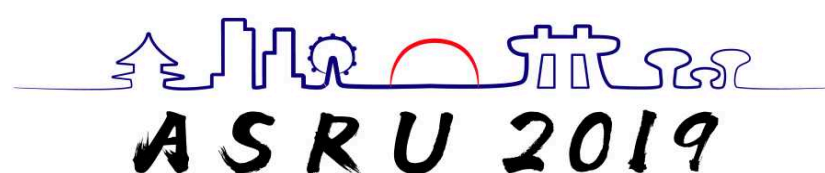
ASRU 2019 POSTER SESSION 3

Monday 16th Dec 2019 Time: 10:30 am - 12:00 noon

LOCATION: EVENTS CENTRE

SESSION CHAIR: Hemant Patil

Poster Board	Room	ID	Paper Num	Paper Title
P1	L2	ASR-2.1	1156	TRAINING LANGUAGE MODELS FOR LONG-SPAN CROSS-SENTENCE EVALUATION
P2	L2	ASR-2.2	1178	TRANSFORMER ASR WITH CONTEXTUAL BLOCK PROCESSING
P3	L2	ASR-2.3	1185	A DENSITY RATIO APPROACH TO LANGUAGE MODEL FUSION IN END-TO-END AUTOMATIC SPEECH RECOGNITION
P4	L2	ASR-2.4	1192	IMPROVING GRAPHEME-TO-PHONEME CONVERSION BY INVESTIGATING COPYING MECHANISM IN RECURRENT ARCHITECTURES
P5	L2	ASR-2.5	1193	A COMPARATIVE STUDY ON TRANSFORMER VS RNN IN SPEECH APPLICATIONS
P6	L2	ASR-2.6	1194	FROM SENONES TO CHENONES: TIED CONTEXT-DEPENDENT GRAPHEMES FOR HYBRID SPEECH RECOGNITION
P7	L2	ASR-2.7	1201	ATTENTION-BASED SPEECH RECOGNITION USING GAZE INFORMATION
P8	L2	ASR-2.8	1203	LISTENING WHILE SPEAKING AND VISUALIZING: IMPROVING ASR THROUGH MULTIMODAL CHAIN
P9	L2	ASR-2.9	1215	EMBEDDINGS FOR DNN SPEAKER ADAPTIVE TRAINING
P10	L2	ASR-2.10	1219	LANGUAGE MODEL BOOTSTRAPPING USING NEURAL MACHINE TRANSLATION FOR CONVERSATIONAL SPEECH RECOGNITION
P11	L2	ASR-2.11	1224	SPEAKER AND LANGUAGE AWARE TRAINING FOR END-TO-END ASR
P12	L2	ASR-2.12	1225	DATA AUGMENTATION BASED ON VOWEL STRETCH FOR IMPROVING CHILDREN'S SPEECH RECOGNITION
P13	L2	ASR-2.13	1234	MIXED BANDWIDTH ACOUSTIC MODELING LEVERAGING KNOWLEDGE DISTILLATION
P14	L2	ASR-2.14	1256	ON TEMPORAL CONTEXT INFORMATION FOR HYBRID BLSTM-BASED PHONEME RECOGNITION
P15	L2	ASR-2.15	1268	EXPLORING MODEL UNITS AND TRAINING STRATEGIES FOR END-TO-END SPEECH RECOGNITION
P16	L2	ASR-2.16	1269	QUERY-BY-EXAMPLE ON-DEVICE KEYWORD SPOTTING
P17	L2	ASR-2.17	1276	SMALL-FOOTPRINT KEYWORD SPOTTING WITH GRAPH CONVOLUTIONAL NETWORK
P18	L2	ASR-2.18	1327	SIMPLIFIED LSTMS FOR SPEECH RECOGNITION
P19	L2	ASR-2.19	1395	GENERALIZED LARGE-CONTEXT LANGUAGE MODELS BASED ON FORWARD-BACKWARD HIERARCHICAL RECURRENT ENCODER-DECODER MODELS
P20	L2	ASR-2.20	1409	END-TO-END TRAINING OF A LARGE VOCABULARY END-TO-END SPEECH RECOGNITION SYSTEM
P21	A	S2S.1	1004	MULTILINGUAL END-TO-END SPEECH TRANSLATION
P22	A	S2S.2	1218	NEURAL MACHINE TRANSLATION WITH ACOUSTIC EMBEDDING
P23	A	S2S.3	1360	ONE-TO-MANY MULTILINGUAL END-TO-END SPEECH TRANSLATION
P24	A	S2S.4	1390	SPEECH-TO-SPEECH TRANSLATION BETWEEN UNTRANSCRIBED UNKNOWN LANGUAGES
P25	B	SDR.1	1055	ENHANCED BERT-BASED RANKING MODELS FOR SPOKEN DOCUMENT RETRIEVAL
P26	B	SDR.2	1065	VIRTUAL ADVERSARIAL TRAINING FOR DS-CNN BASED SMALL-FOOTPRINT KEYWORD SPOTTING
P27	B	SDR.3	1091	VERIFYING DEEP KEYWORD SPOTTING DETECTION WITH ACOUSTIC WORD EMBEDDINGS
P28	B	SDR.4	1124	MULTILINGUAL BOTTLENECK FEATURES FOR QUERY BY EXAMPLE SPOKEN TERM DETECTION
P29	B	SDR.5	1133	ADDITIONAL SHARED DECODER ON SIAMESE MULTI-VIEW ENCODERS FOR LEARNING ACOUSTIC WORD EMBEDDINGS
P30	B	SDR.6	1257	EFFICIENT FREE KEYWORD DETECTION BASED ON CNN AND END-TO-END CONTINUOUS DP-MATCHING



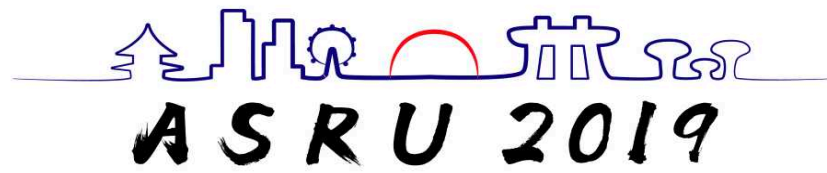
ASRU 2019 POSTER SESSION 4

Tuesday 17th Dec 2019 Time: 10:30 am - 12:00 noon

LOCATION: EVENTS CENTRE

SESSION CHAIR: Yifan Gong

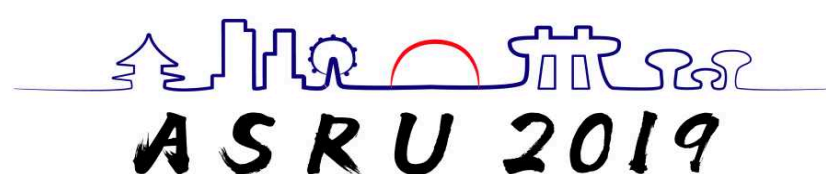
Poster Board	Room	ID	Paper Num	Paper Title
P1	A	NEW.1	1059	IMPROVING SPEECH ENHANCEMENT WITH PHONETIC EMBEDDING FEATURES
P2	A	NEW.2	1098	DETECTING DECEPTION IN POLITICAL DEBATES USING ACOUSTIC AND TEXTUAL FEATURES
P3	A	NEW.3	1205	END-TO-END OVERLAPPED SPEECH DETECTION AND SPEAKER COUNTING WITH RAW WAVEFORM
P4	A	NEW.4	1244	TIME DOMAIN AUDIO VISUAL SPEECH SEPARATION
P5	A	NEW.5	1283	SPEECH REVEALS FUTURE RISK OF DEVELOPING DEMENTIA: PREDICTIVE DEMENTIA SCREENING FROM BIOGRAPHIC INTERVIEWS
P6	A	NEW.6	1284	IMPROVING FUNDAMENTAL FREQUENCY GENERATION IN EMG-TO-SPEECH CONVERSION USING A QUANTIZATION APPROACH
P7	A	NEW.7	1363	TOWARDS REAL-TIME MISPRONUNCIATION DETECTION IN KIDS' SPEECH
P8	B	SLR-2.1	1114	INCORPORATING PRIOR KNOWLEDGE INTO SPEAKER DIARIZATION AND LINKING FOR IDENTIFYING COMMON SPEAKER
P9	B	SLR-2.2	1195	LOGISTIC SIMILARITY METRIC LEARNING VIA AFFINITY MATRIX FOR TEXT-INDEPENDENT SPEAKER VERIFICATION
P10	B	SLR-2.3	1304	LOW-RESOURCE DOMAIN ADAPTATION FOR SPEAKER RECOGNITION USING CYCLE-GANS
P11	B	SLR-2.4	1319	CNN WITH PHONETIC ATTENTION FOR TEXT-INDEPENDENT SPEAKER VERIFICATION
P12	B	SLR-2.5	1320	PROBING THE INFORMATION ENCODED IN X-VECTORS
P13	B	SLR-2.6	1326	IN-THE-WILD END-TO-END DETECTION OF SPEECH AFFECTING DISEASES
P14	B	SLR-2.7	1330	OPTIMIZING NEURAL NETWORK EMBEDDINGS USING PAIR-WISE LOSS FOR TEXT-INDEPENDENT SPEAKER VERIFICATION
P15	B	SLR-2.8	1334	TOWARDS CONTROLLING FALSE ALARM --- MISS TRADE-OFF IN PERCEPTUAL SPEAKER COMPARISON VIA NON-NEUTRAL LISTENING TASK FRAMING
P16	B	SLR-2.9	1348	DOVER: A METHOD FOR COMBINING DIARIZATION OUTPUTS
P17	L2	SLU.1	1014	USING VERY DEEP CONVOLUTIONAL NEURAL NETWORKS TO AUTOMATICALLY DETECT PLAGIARIZED SPOKEN RESPONSES
P18	L2	SLU.2	1016	SPOKEN MULTIPLE-CHOICE QUESTION ANSWERING USING MULTIMODAL CONVOLUTIONAL NEURAL NETWORKS
P19	L2	SLU.3	1043	TRANSFER LEARNING FOR CONTEXT-AWARE SPOKEN LANGUAGE UNDERSTANDING
P20	L2	SLU.4	1191	EMOCEPTION: AN INCEPTION INSPIRED EFFICIENT SPEECH EMOTION RECOGNITION NETWORK
P21	L2	SLU.5	1209	A COMPARATIVE STUDY ON END-TO-END SPEECH TO TEXT TRANSLATION
P22	L2	SLU.6	1249	JOINT LEARNING OF WORD AND LABEL EMBEDDINGS FOR SEQUENCE LABELLING IN SPOKEN LANGUAGE UNDERSTANDING
P23	L2	SLU.7	1264	MARKOV RECURRENT NEURAL NETWORK LANGUAGE MODEL
P24	L2	SLU.8	1266	TOPIC-AWARE POINTER-GENERATOR NETWORKS FOR SUMMARIZING SPOKEN CONVERSATIONS
P25	L2	SLU.9	1279	SLU FOR VOICE COMMAND IN SMART HOME: COMPARISON OF PIPELINE AND END-TO-END APPROACHES
P26	L2	SLU.10	1313	SCALABLE NEURAL DIALOGUE STATE TRACKING
P27	L2	SLU.11	1351	HIERARCHICAL TRANSFORMERS FOR LONG DOCUMENT CLASSIFICATION
P28	L2	SLU.12	1352	ADAPTING PRETRAINED TRANSFORMER TO LATTICES FOR SPOKEN LANGUAGE UNDERSTANDING
P29	L2	SLU.13	1355	SPATIO-TEMPORAL CONTEXT MODELLING FOR SPEECH EMOTION CLASSIFICATION
P30	L2	SLU.14	1387	PARAPHRASE GENERATION BASED ON VAE AND POINTER-GENERATOR NETWORKS



ASRU 2019 DEMO SESSION
LOCATION: EVENTS CENTER LEVEL 1

Tuesday 17th Dec 2019 Time: 16:00-17:30
SESSION CHAIR: Kong Aik Lee

Poster Board	Room	ID	Paper Title
P1	A	DEMO-1.1	TOWARDS AUTOMATIC SPEECH EVALUATION FOR MULTILINGUAL SOCIETIES: PROTOTYPE SYSTEM FOR SINGAPORE CHILDREN LEARNING MALAY
P3	A	DEMO-1.2	A SOUND TRACKING ROBOT ON BIO-INSPIRED ALGORITHM
P5	A	DEMO-1.3	SIMMC: SITUATED INTERACTIVE MULTI-MODAL CONVERSATIONAL DATA COLLECTION AND EVALUATION PLATFORM
P7	A	DEMO-1.4	MUSIGPRO: AUTOMATIC LEADERBOARD OF SINGERS USING REFERENCE INDEPENDENT EVALUATION


ASRU 2019 POSTER SESSIONS
Wed. 18th Dec 2019 Time: 10:30-12:00 noon
LOCATION: EVENTS CENTRE
SESSION CHAIR: ROHAN KUMAR DAS

Poster Board	Room	ID	Paper Num	Paper Title
P1	L2	ASR-3.1	1285	SEMI-SUPERVISED TRAINING AND DATA AUGMENTATION FOR ADAPTATION OF AUTOMATIC BROADCAST NEWS CAPTIONING SYSTEMS
P2	L2	ASR-3.2	1286	ONLINE BATCH NORMALIZATION ADAPTATION FOR AUTOMATIC SPEECH RECOGNITION
P3	L2	ASR-3.3	1288	SPEAKER ADAPTIVE TRAINING USING MODEL AGNOSTIC META-LEARNING
P4	L2	ASR-3.4	1294	A COMPARISON OF END-TO-END MODELS FOR LONG-FORM SPEECH RECOGNITION
P5	L2	ASR-3.5	1298	ACOUSTIC MODEL ADAPTATION FROM RAW WAVEFORMS WITH SINNET
P6	L2	ASR-3.6	1305	RECURRENT NEURAL NETWORK TRANSDUCER FOR AUDIO-VISUAL SPEECH RECOGNITION
P7	L2	ASR-3.7	1312	EXPLICIT ALIGNMENT OF TEXT AND SPEECH ENCODINGS FOR ATTENTION-BASED END-TO-END SPEECH RECOGNITION
P8	L2	ASR-3.8	1329	RECOGNIZING LONG-FORM SPEECH USING STREAMING END-TO-END MODELS
P9	L2	ASR-3.9	1335	LEVERAGING LANGUAGE ID IN MULTILINGUAL END-TO-END SPEECH RECOGNITION
P10	L2	ASR-3.10	1336	STREAMING END-TO-END SPEECH RECOGNITION WITH JOINT CTC-ATTENTION BASED MODELS
P11	L2	ASR-3.11	1344	MONOTONIC RECURRENT NEURAL NETWORK TRANSDUCER AND DECODING STRATEGIES
P12	L2	ASR-3.12	1368	CHARACTER-AWARE ATTENTION-BASED END-TO-END SPEECH RECOGNITION
P13	L2	ASR-3.13	1370	ATTENTION BASED ON-DEVICE STREAMING SPEECH RECOGNITION WITH LARGE SPEECH CORPUS
P14	L2	ASR-3.14	1375	ZERO-SHOT CODE-SWITCHING ASR AND TTS WITH MULTILINGUAL MACHINE SPEECH CHAIN
P15	L2	ASR-3.15	1376	END-TO-END CODE-SWITCHING ASR FOR LOW-RESOURCED LANGUAGE PAIRS
P16	L2	ASR-3.16	1408	UNSUPERVISED ADAPTATION OF ACOUSTIC MODELS FOR ASR USING UTTERANCE-LEVEL EMBEDDINGS FROM SQUEEZE AND EXCITATION NETWORKS
P17	L2	ASR-3.17	1410	POWER-LAW NONLINEARITY WITH MAXIMALLY UNIFORM DISTRIBUTION CRITERION FOR IMPROVED NEURAL NETWORK TRAINING IN AUTOMATIC SPEECH RECOGNITION
P18	L2	ASR-3.18	1317	SPEECH RECOGNITION WITH AUGMENTED SYNTHESIZED SPEECH
P19	A	MLP.1	1152	SECOND LANGUAGE TRANSFER LEARNING IN HUMANS AND MACHINES USING IMAGE SUPERVISION
P20	A	MLP.2	1377	ZERO-SHOT PRONUNCIATION LEXICONS FOR CROSS-LANGUAGE ACOUSTIC MODEL TRANSFER
P21	A	SDS.1	1070	ROBUST BELIEF STATE SPACE REPRESENTATION FOR STATISTICAL DIALOGUE MANAGERS USING DEEP AUTOENCODERS
P22	A	SDS.2	1097	IMPROVING SPEECH-BASED END-OF-TURN DETECTION VIA CROSS-MODAL REPRESENTATION LEARNING WITH PUNCTUATED TEXT DATA
P23	A	SDS.3	1271	DIALOGUE ENVIRONMENTS ARE DIFFERENT FROM GAMES: INVESTIGATING VARIANTS OF DEEP Q-NETWORKS FOR DIALOGUE POLICY
P24	A	SDS.4	1325	EFFICIENT SEMI-SUPERVISED LEARNING FOR NATURAL LANGUAGE UNDERSTANDING BY OPTIMIZING DIVERSITY
P25	B	SS-1.1	1143	DEVELOPMENT OF VOICE SPOOFING DETECTION SYSTEMS FOR 2019 EDITION OF AUTOMATIC SPEAKER VERIFICATION AND COUNTERMEASURES CHALLENGE
P26	B	SS-1.2	1281	SPOOF DETECTION USING TIME-DELAY SHALLOW NEURAL NETWORK AND FEATURE SWITCHING
P27	B	SS-1.3	1364	LONG RANGE ACOUSTIC AND DEEP FEATURES PERSPECTIVE ON ASVSPPOOF 2019
P28	B	SS-2.1	1101	MGB-5: ARABIC DIALECT IDENTIFICATION ACROSS 17 DIALECTS AND MOROCCAN SPEECH RECOGNITION
P29	B	SS-2.2	1333	RDI-CU SYSTEM FOR THE 2019 ARABIC MULTI-GENRE BROADCAST CHALLENGE