

APSIPA ASC 2023_Program Arrangement

Oct. 4, 2023

Paper No.	Title	Presentation Type	Session Number	Session Name	Session Date	Session Time
1570927156	Detection Model of Sister Chromatid Cohesion Defects Based on Vision Transformer	Oral Presentation	A1	Biomedical Signal Processing and Systems	Nov. 1	10:20-12:00
1570921579	Mixed Emotion Recognition Based on EEG Signals	Oral Presentation	A1	Biomedical Signal Processing and Systems	Nov. 1	10:20-12:00
1570922763	Manipulation of Neuronal Network Firing Patterns Using Temporal Deep Unfolding-Based MPC	Oral Presentation	A1	Biomedical Signal Processing and Systems	Nov. 1	10:20-12:00
1570926693	Goodness of Fit to the Convolution Model of fMRI Data and Determination of the Regularization Parameter	Oral Presentation	A1	Biomedical Signal Processing and Systems	Nov. 1	10:20-12:00
1570922738	Attention-Based CNN and Relative Phase Feature Modeling for Improved Imagined Speech Recognition	Oral Presentation	A1	Biomedical Signal Processing and Systems	Nov. 1	10:20-12:00
1570928991	Holo-QoI: A Human Factor-Based Dataset and Prediction Framework for Assessing Quality of Interaction in Augmented Reality	Oral Presentation	A2	IVM-1: Multimedia Content Analysis and Assessment	Nov. 1	15:00-17:00
1570926745	Enhancing Real-Time Semantic Segmentation with Textual Knowledge of Pre-Trained Vision-Language Model: A Lightweight Approach	Oral Presentation	A2	IVM-1: Multimedia Content Analysis and Assessment	Nov. 1	15:00-17:00
1570906786	CH-MEAD: A Chinese Multimodal Conversational Emotion Analysis Dataset with Fine-Grained Emotion Taxonomy	Oral Presentation	A2	IVM-1: Multimedia Content Analysis and Assessment	Nov. 1	15:00-17:00
1570918715	Evolutionary Analysis and Cultural Transmission Models of Color Style Distributions in Painting Arts	Oral Presentation	A2	IVM-1: Multimedia Content Analysis and Assessment	Nov. 1	15:00-17:00
1570926210	Ultimatelink Between Characters Having a Certain Meaning in Physical Space to URL in Cyberspace with Robust Print and Scan	Oral Presentation	A2	IVM-1: Multimedia Content Analysis and Assessment	Nov. 1	15:00-17:00
1570927392	Human Flow Measurement System Using Floor Estimation of Depth Images for Low-End IoT Devices	Oral Presentation	A2	IVM-1: Multimedia Content Analysis and Assessment	Nov. 1	15:00-17:00
1570922354	Speech Emotion Recognition by Late Fusion of Linguistic and Acoustic Features Using Deep Learning Models	Oral Presentation	A3	SLA-III: Speech Emotion Recognition	Nov. 2	09:00-10:40
1570924918	Multilingual, Cross-Lingual, and Monolingual Speech Emotion Recognition on EmoFilm Dataset	Oral Presentation	A3	SLA-III: Speech Emotion Recognition	Nov. 2	09:00-10:40
1570926179	Ensambling Multilingual Pre-Trained Models for Predicting Multi-Label Regression Emotion Share from Speech	Oral Presentation	A3	SLA-III: Speech Emotion Recognition	Nov. 2	09:00-10:40
1570927066	An Automatic Pipeline for Building Emotional Speech Dataset	Oral Presentation	A3	SLA-III: Speech Emotion Recognition	Nov. 2	09:00-10:40
1570927130	Analysis of Emotions in Speech Using AESDD	Oral Presentation	A3	SLA-III: Speech Emotion Recognition	Nov. 2	09:00-10:40
1570927263	RobustL2S: Speaker-Specific Lip-To-Speech Synthesis Exploiting Self-Supervised Representations	Oral Presentation	A4	IVM-3: Multimedia Representation and Identification	Nov. 2	13:30-15:30
1570917786	Structural Quality Assured Global Optimization for CTU-Level Rate Control of Screen Content Coding	Oral Presentation	A4	IVM-3: Multimedia Representation and Identification	Nov. 2	13:30-15:30
1570927425	Realizing Nipple in Profile Recognition and Nipple Detection Using a Single Classification	Oral Presentation	A4	IVM-3: Multimedia Representation and Identification	Nov. 2	13:30-15:30
1570922235	Multi-Modal Emotion Recognition Based on 2D Kernel Density Estimation for Multiple Labels Fusion	Oral Presentation	A4	IVM-3: Multimedia Representation and Identification	Nov. 2	13:30-15:30
1570908707	ResNet-Based Camera Model Identification with Adaptive Preprocessing Module and Weight Fusion of Global Information	Oral Presentation	A4	IVM-3: Multimedia Representation and Identification	Nov. 2	13:30-15:30
1570927729	Exploring a CLIP-Enhanced Automated Approach for Video Description Generation	Oral Presentation	A4	IVM-3: Multimedia Representation and Identification	Nov. 2	13:30-15:30
1570922182	Geometrically Constrained Blind Moving Source Extraction Based on Constant Separation Vector and Auxiliary Function Technique	Oral Presentation	A5	SLA-VII: Speech Separation and Tracking	Nov. 3	09:00-10:40
1570926480	Spatially-Regularized Switching Independent Vector Analysis	Oral Presentation	A5	SLA-VII: Speech Separation and Tracking	Nov. 3	09:00-10:40
1570922747	Universal Sound Separation Using Replay-Based Data Sampling in Incremental Learning	Oral Presentation	A5	SLA-VII: Speech Separation and Tracking	Nov. 3	09:00-10:40
1570920332	Analysis of Speech Separation Performance Degradation on Emotional Speech Mixtures	Oral Presentation	A5	SLA-VII: Speech Separation and Tracking	Nov. 3	09:00-10:40

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Paper No.	Title	Presentation Type	Session Number	Session Name	Session Date	Session Time
1570925171	Multiple Sound Source Tracking Based on Generative Modeling and Recursive Bayesian Filtering of Spatial Gradient Spectra	Oral Presentation	A5	SLA-VII: Speech Separation and Tracking	Nov. 3	09:00-10:40
1570926895	Mismatched Semi-Supervised Learning with Feature Similarity Consistency	Oral Presentation	B1	Data Analytics and Machine Learning	Nov. 1	10:20-12:00
1570927160	Learning Meta Soft Prompt for Few-Shot Language Models	Oral Presentation	B1	Data Analytics and Machine Learning	Nov. 1	10:20-12:00
1570927029	Collaborative Pseudo Labeling for Prompt-Based Learning	Oral Presentation	B1	Data Analytics and Machine Learning	Nov. 1	10:20-12:00
1570921618	GRALA: Modeling Social Information for Microblog Sentiment Analysis from the View of Balancing Sparsity and Smoothness of Social Contexts	Oral Presentation	B1	Data Analytics and Machine Learning	Nov. 1	10:20-12:00
1570922657	Adopting Neural Translation Model in Data Generation for Inverse Text Normalization	Oral Presentation	B1	Data Analytics and Machine Learning	Nov. 1	10:20-12:00
1570926965	Cross-Subject Classification of Spoken Mandarin Vowels and Tones with EEG Signals: A Study of End-To-End CNN with Fine-Tuning	Oral Presentation	B2	Advanced Biomedical Signal Processing (II): Brain Signal Processing and Analysis	Nov. 1	15:00-17:00
1570924474	Supervised Single-Channel EEG Decomposition Using Detector-Kernel Networks for Noise Reduction	Oral Presentation	B2	Advanced Biomedical Signal Processing (II): Brain Signal Processing and Analysis	Nov. 1	15:00-17:00
1570926487	EEG Study on Anticipation of Difficulty for Upcoming Auditory Task	Oral Presentation	B2	Advanced Biomedical Signal Processing (II): Brain Signal Processing and Analysis	Nov. 1	15:00-17:00
1570927162	Multimodal Recognition of Speech and Electroencephalogram	Oral Presentation	B2	Advanced Biomedical Signal Processing (II): Brain Signal Processing and Analysis	Nov. 1	15:00-17:00
1570926943	Event-Related Potential in Rapid Serial Visual Presentation-Based Partial Face Cognition Depends on Visible Face Components	Oral Presentation	B2	Advanced Biomedical Signal Processing (II): Brain Signal Processing and Analysis	Nov. 1	15:00-17:00
1570927099	Decoding Time-Course of Saliency Network of fMRI Signals by EEG Signals Using Optimized Forward Variable Selection: A Concurrent EEG-fMRI Study	Oral Presentation	B2	Advanced Biomedical Signal Processing (II): Brain Signal Processing and Analysis	Nov. 1	15:00-17:00
1570922580	Moving Interference Speaker Removal Using Geometrically Constrained Independent Vector Analysis	Oral Presentation	B3	Acoustic Scene Analysis and Signal Enhancement Based on Advanced Signal Processing and Machine Learning	Nov. 2	09:00-10:40
1570922283	Modified Parametric Multichannel Wiener Filter for Low-Latency Enhancement of Speech Mixtures with Unknown Number of Speakers	Oral Presentation	B3	Acoustic Scene Analysis and Signal Enhancement Based on Advanced Signal Processing and Machine Learning	Nov. 2	09:00-10:40
1570921315	A Weighted Binary Cross-Entropy for Sound Event Representation Learning and Few-Shot Classification	Oral Presentation	B3	Acoustic Scene Analysis and Signal Enhancement Based on Advanced Signal Processing and Machine Learning	Nov. 2	09:00-10:40
1570922335	A Dual-Channel Three-Stage Model for DoA and Speech Enhancement	Oral Presentation	B3	Acoustic Scene Analysis and Signal Enhancement Based on Advanced Signal Processing and Machine Learning	Nov. 2	09:00-10:40
1570922508	Blind Source Separation Using Independent Low-Rank Matrix Analysis with Spectrogram-Consistency Regularization	Oral Presentation	B3	Acoustic Scene Analysis and Signal Enhancement Based on Advanced Signal Processing and Machine Learning	Nov. 2	09:00-10:40
1570926459	Learning Single Image Rain Streak Removal Based on Deep Attention Mechanism	Oral Presentation	B4	Innovative Technology on 3D Point Cloud and Image Processing	Nov. 2	13:30-15:30
1570926956	Dense Three-Dimensional Color Reconstruction for Large-Scale Outdoor Scenes	Oral Presentation	B4	Innovative Technology on 3D Point Cloud and Image Processing	Nov. 2	13:30-15:30
1570921556	3D Point Cloud Denoising Based on Color Attribute	Oral Presentation	B4	Innovative Technology on 3D Point Cloud and Image Processing	Nov. 2	13:30-15:30
1570922276	Identification of Victims Wearing Vibrant Clothing Using MATLAB	Oral Presentation	B4	Innovative Technology on 3D Point Cloud and Image Processing	Nov. 2	13:30-15:30
1570922255	The VLSI Design DSP and DDR4 for Multi-Sensor in Biomedical System	Oral Presentation	B4	Innovative Technology on 3D Point Cloud and Image Processing	Nov. 2	13:30-15:30
1570922282	Point Cloud Inpainting Based on Delaunay Triangulation	Oral Presentation	B4	Innovative Technology on 3D Point Cloud and Image Processing	Nov. 2	13:30-15:30
1570926903	Maximization of 2D Cross-Correlation Based on Auxiliary Function Method for Image Alignment	Oral Presentation	B5	High Performance Image and Video Processing and Applications	Nov. 3	09:00-10:40
1570927009	Multitask Record for Badminton Match	Oral Presentation	B5	High Performance Image and Video Processing and Applications	Nov. 3	09:00-10:40

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Paper No.	Title	Presentation Type	Session Number	Session Name	Session Date	Session Time
1570927169	Deep Residual and Classified Neural Networks for Inverse Halftoning	Oral Presentation	B5	High Performance Image and Video Processing and Applications	Nov. 3	09:00-10:40
1570917637	Joint Optimization Algorithm for Adaptive Bit Allocation Based on Temporal-Spatial Information	Oral Presentation	B5	High Performance Image and Video Processing and Applications	Nov. 3	09:00-10:40
1570927234	ASF-LLRDA: Locality-Regularized Linear Regression Discriminant Analysis with Approximately Symmetrical Face Preprocessing for Face Recognition	Oral Presentation	B5	High Performance Image and Video Processing and Applications	Nov. 3	09:00-10:40
1570928941	Unbiased Decision-Making Framework in Long-Video Macro & Micro-Expression Spotting	Oral Presentation	C1	Deep Learning: Algorithm, Implementations, and Applications	Nov. 1	10:20-12:00
1570927433	Addressing Distortion in Social Distance Monitoring: Calibration for Accurate Distance Calculation	Oral Presentation	C1	Deep Learning: Algorithm, Implementations, and Applications	Nov. 1	10:20-12:00
1570919909	Instance Implant-Aided Non-Uniformly Cropping for Person Detection in Aerial Images	Oral Presentation	C1	Deep Learning: Algorithm, Implementations, and Applications	Nov. 1	10:20-12:00
1570922501	Residual, Mixer, and Attention: The Three-Way Combination for Streaming Wake Word Detection Framework	Oral Presentation	C1	Deep Learning: Algorithm, Implementations, and Applications	Nov. 1	10:20-12:00
1570917627	MSDF-Net: A Multi-Scale Deep Fusion Network with Dilated Convolutions for Cloud Removal from Sentinel-2 Imagery	Oral Presentation	C1	Deep Learning: Algorithm, Implementations, and Applications	Nov. 1	10:20-12:00
1570922202	A Reversible Image Processing Method for Color Tone Control Using Data Hiding	Oral Presentation	C2	Multimedia Security and Privacy in the Age of Deep Learning	Nov. 1	15:00-17:00
1570927308	Enhancing Privacy Preservation with Quantum Computing for Word-Level Audio-Visual Speech Recognition	Oral Presentation	C2	Multimedia Security and Privacy in the Age of Deep Learning	Nov. 1	15:00-17:00
1570926640	Gait Recognition Scheme Focusing on Operating Characteristics at Feature Points Detected by OpenPose	Oral Presentation	C2	Multimedia Security and Privacy in the Age of Deep Learning	Nov. 1	15:00-17:00
1570926094	Image-Text Out-Of-Context Detection Using Synthetic Multimodal Misinformation	Oral Presentation	C2	Multimedia Security and Privacy in the Age of Deep Learning	Nov. 1	15:00-17:00
1570926846	A Study on Eliminating Biased Node in Federated Learning	Oral Presentation	C2	Multimedia Security and Privacy in the Age of Deep Learning	Nov. 1	15:00-17:00
1570927199	Can StArtGAN Withstand Image Processing Attacks?	Oral Presentation	C2	Multimedia Security and Privacy in the Age of Deep Learning	Nov. 1	15:00-17:00
1570930807	Pose-Based Visual Servoing with Lightweight Deep-Learning Binarization for Autonomous Mobile Robot Application	Oral Presentation	C3	Intelligent Recognition Applications	Nov. 2	09:00-10:40
1570922513	Identifying the Style of Chatting	Oral Presentation	C3	Intelligent Recognition Applications	Nov. 2	09:00-10:40
1570922463	Automated Carina Detection in Chest X-Ray Images Using Non-Overlapping and Cross-Squeeze Convolutional Neural Networks	Oral Presentation	C3	Intelligent Recognition Applications	Nov. 2	09:00-10:40
1570949804	Integration of Contextual Information with YOLOv5 for Detecting Tracheobronchial Foreign Objects	Oral Presentation	C3	Intelligent Recognition Applications	Nov. 2	09:00-10:40
1570920362	A Reconfigurable Hardware Architecture for Graph Convolution Network in Action Recognition	Oral Presentation	C3	Intelligent Recognition Applications	Nov. 2	09:00-10:40
1570926206	MKTformer: Fine-Grained Meter Classification Based on Multi-Modal Knowledge Transfer	Oral Presentation	C4	Machine Learning under Data-Constrained Conditions	Nov. 2	13:30-15:30
1570926733	Dictionary-Driven Chinese ASR Entity Correction with Controllable Decoding	Oral Presentation	C4	Machine Learning under Data-Constrained Conditions	Nov. 2	13:30-15:30
1570927290	A Method of Efficient Synthesizing Post-Disaster Remote Sensing Image with Diffusion Model and LLM	Oral Presentation	C4	Machine Learning under Data-Constrained Conditions	Nov. 2	13:30-15:30
1570922263	Privacy-Oriented Coded Caching in Mobile Information-Centric Network	Oral Presentation	C4	Machine Learning under Data-Constrained Conditions	Nov. 2	13:30-15:30
1570926331	Feature Augmentation Reconstruction Network for Few-Shot Image Classification	Oral Presentation	C4	Machine Learning under Data-Constrained Conditions	Nov. 2	13:30-15:30
1570926462	Dual Feature Reconstruction Network Based on Few-Shot Image Classification	Oral Presentation	C4	Machine Learning under Data-Constrained Conditions	Nov. 2	13:30-15:30
1570920265	DOA-Aware Audio-Visual Self-Supervised Learning for Sound Event Localization and Detection	Oral Presentation	C5	Advanced Topics on Sound Event and Scene Analysis	Nov. 3	09:00-10:40
1570924600	Joint Analysis of Acoustic Scenes and Sound Events Based on Semi-Supervised Approach	Oral Presentation	C5	Advanced Topics on Sound Event and Scene Analysis	Nov. 3	09:00-10:40
1570922484	Improving Sound Event Localization and Detection with Class-Dependent Sound Separation for Real-World Scenarios	Oral Presentation	C5	Advanced Topics on Sound Event and Scene Analysis	Nov. 3	09:00-10:40

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Paper No.	Title	Presentation Type	Session Number	Session Name	Session Date	Session Time
1570927177	Augmentation of Various Speed Data by Controlling Frame Overlap for Acoustic Traffic Monitoring	Oral Presentation	C5	Advanced Topics on Sound Event and Scene Analysis	Nov. 3	09:00-10:40
1570927096	Cross-Domain Sound Recognition for Efficient Underwater Data Analysis	Oral Presentation	C5	Advanced Topics on Sound Event and Scene Analysis	Nov. 3	09:00-10:40
1570926113	Enhanced Neural Beamformer with Spatial Information for Target Speech Extraction	Oral Presentation	D1	Recent Advances on Speech Preprocessing in Multi-Speaker Scenarios	Nov. 1	10:20-12:00
1570922138	Adaptive Beamforming Based on Interference-Plus-Noise Covariance Matrix Reconstruction for Speech Separation	Oral Presentation	D1	Recent Advances on Speech Preprocessing in Multi-Speaker Scenarios	Nov. 1	10:20-12:00
1570926747	Low-Complexity Multi-Channel Speaker Extraction with Pure Speech Cues	Oral Presentation	D1	Recent Advances on Speech Preprocessing in Multi-Speaker Scenarios	Nov. 1	10:20-12:00
1570922648	CASA-Net: Cross-Attention and Self-Attention for End-To-End Audio-Visual Speaker Diarization	Oral Presentation	D1	Recent Advances on Speech Preprocessing in Multi-Speaker Scenarios	Nov. 1	10:20-12:00
1570922275	Correlated Multi-Level Speech Enhancement for Robust Real-World ASR Applications Using Mask-Waveform-Feature Optimization	Oral Presentation	D1	Recent Advances on Speech Preprocessing in Multi-Speaker Scenarios	Nov. 1	10:20-12:00
1570927404	Facial Expression Recognition as Markers of Depression	Oral Presentation	D2	The Intersection of AI and Computer Vision: Advancements and Opportunities	Nov. 1	15:00-17:00
1570927315	Unveiling Robust Feature Spaces: Image vs. Embedding-Oriented Approaches for Plant Disease Identification	Oral Presentation	D2	The Intersection of AI and Computer Vision: Advancements and Opportunities	Nov. 1	15:00-17:00
1570927406	How Transferable are Herbarium-Field Features in Few-Shot Plant Identification with Triplet Loss?	Oral Presentation	D2	The Intersection of AI and Computer Vision: Advancements and Opportunities	Nov. 1	15:00-17:00
1570922262	Interpretable Image Recognition in Hyperbolic Space	Oral Presentation	D2	The Intersection of AI and Computer Vision: Advancements and Opportunities	Nov. 1	15:00-17:00
1570927111	Low-Light is More than Darkness: An Empirical Study on Illumination Types and Enhancement Methods	Oral Presentation	D2	The Intersection of AI and Computer Vision: Advancements and Opportunities	Nov. 1	15:00-17:00
1570927285	MoMo Strategy: Learn More from More Mistakes	Oral Presentation	D2	The Intersection of AI and Computer Vision: Advancements and Opportunities	Nov. 1	15:00-17:00
1570926398	Moreau Envelope ADMM for Decentralized Weakly Convex Optimization	Oral Presentation	D3	Signal and Information Processing Theory and Methods	Nov. 2	09:00-10:40
1570922496	$(\Delta\sigma)$ Modulators for Discrete-Time Closed Loop Control Systems with Quantization and Saturation	Oral Presentation	D3	Signal and Information Processing Theory and Methods	Nov. 2	09:00-10:40
1570927312	Convolutional Multidimensional Amplitude Spectrum Nuclear Norm for Frequency-Domain Robust Principal Component Analysis	Oral Presentation	D3	Signal and Information Processing Theory and Methods	Nov. 2	09:00-10:40
1570922394	Real-Time Noise Suppression Using Harmonic/Percussive Separation with Morphological Operations for Hammering Test	Oral Presentation	D3	Signal and Information Processing Theory and Methods	Nov. 2	09:00-10:40
1570927410	Asymptotic Estimation Performance of Linear Regression Model with Sparse Bayesian Learning as Both Samples and Signals Approach Infinity	Oral Presentation	D3	Signal and Information Processing Theory and Methods	Nov. 2	09:00-10:40
1570926940	A Cloud-Based Data Platform for Efficient EEG Data Management, Collaboration, and Analysis	Oral Presentation	D4	Signal Processing and Artificial Intelligence in Biomedicine and Healthcare	Nov. 2	13:30-15:30
1570922470	Incorporating the Digit Triplet Test in A Lightweight Speech Intelligibility Prediction for Hearing Aids	Oral Presentation	D4	Signal Processing and Artificial Intelligence in Biomedicine and Healthcare	Nov. 2	13:30-15:30
1570927398	Deep Learning-Based MRI Super-Resolution Using Non-Uniform Segmented Phase-Scrambling Fourier Transform Signals	Oral Presentation	D4	Signal Processing and Artificial Intelligence in Biomedicine and Healthcare	Nov. 2	13:30-15:30
1570926092	An Improved Check Digit-Based Participant Identification System for Human Biorepositories	Oral Presentation	D4	Signal Processing and Artificial Intelligence in Biomedicine and Healthcare	Nov. 2	13:30-15:30
1570926707	Enhancing Snoring Detection with Statistical Analysis of Audio Features	Oral Presentation	D4	Signal Processing and Artificial Intelligence in Biomedicine and Healthcare	Nov. 2	13:30-15:30
1570925812	An Extreme Gradient Boosting-Based Prediction for Depression	Oral Presentation	D4	Signal Processing and Artificial Intelligence in Biomedicine and Healthcare	Nov. 2	13:30-15:30

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Paper No.	Title	Presentation Type	Session Number	Session Name	Session Date	Session Time
1570924293	In-Air Handwriting for Chinese Character Recognition from Monocular Camera: A Deep Learning Based Approach with Fingertip Detection and Virtual Strokes Elimination	Oral Presentation	D5	Modern Signal Analysis and Representation Methods and Their Applications	Nov. 3	09:00-10:40
1570927092	EffSegmentNet: Efficient Design for Real-Time Semantic Segmentation	Oral Presentation	D5	Modern Signal Analysis and Representation Methods and Their Applications	Nov. 3	09:00-10:40
1570923045	Universal Optimal Parameters of the Closed-Form Linear Canonical Wigner Distribution	Oral Presentation	D5	Modern Signal Analysis and Representation Methods and Their Applications	Nov. 3	09:00-10:40
1570922120	Distributed Computation of Heat Kernel Smoothing Using Series Expansion Method	Oral Presentation	D5	Modern Signal Analysis and Representation Methods and Their Applications	Nov. 3	09:00-10:40
1570927040	Autoencoder-Enhanced Federated Learning with Reduced Overhead and Lower Latency	Oral Presentation	D5	Modern Signal Analysis and Representation Methods and Their Applications	Nov. 3	09:00-10:40
1570921024	Modeling Suprasegmental Information Using Finite Difference Network for End-To-End Speaker Verification	Oral Presentation	E1	SLA-I: Speaker Recognition and Spoken Language Identification	Nov. 1	10:20-12:00
1570927368	Consideration of Varying Training Lengths for Short-Duration Speaker Verification	Oral Presentation	E1	SLA-I: Speaker Recognition and Spoken Language Identification	Nov. 1	10:20-12:00
1570922888	A Lightweight Speaker Verification Model for Edge Device	Oral Presentation	E1	SLA-I: Speaker Recognition and Spoken Language Identification	Nov. 1	10:20-12:00
1570927360	Exploring Residual Cepstral Features for Spoken Language Identification	Oral Presentation	E1	SLA-I: Speaker Recognition and Spoken Language Identification	Nov. 1	10:20-12:00
1570927126	Adversarial Robustness of Mel Based Speaker Recognition Systems	Oral Presentation	E1	SLA-I: Speaker Recognition and Spoken Language Identification	Nov. 1	10:20-12:00
1570922572	On Joint Dereverberation and Source Separation with Geometrical Constraints and Iterative Source Steering	Oral Presentation	E3	SLA-IV: Speech Enhancement	Nov. 2	09:00-10:40
1570927081	Enhancing Spectrogram for Audio Classification Using Time-Frequency Enhancer	Oral Presentation	E3	SLA-IV: Speech Enhancement	Nov. 2	09:00-10:40
1570923889	Step Size Control of Shared-Error Normalized Least Mean Square Algorithm for Acoustic Echo and Noise Canceller	Oral Presentation	E3	SLA-IV: Speech Enhancement	Nov. 2	09:00-10:40
1570921429	An Audio-Visual Speech Enhancement System Based on 3D Image Features: An Application in Hearing Aids	Oral Presentation	E3	SLA-IV: Speech Enhancement	Nov. 2	09:00-10:40
1570922706	Study of Generative Adversarial Networks for Noisy Speech Simulation from Clean Speech	Oral Presentation	E3	SLA-IV: Speech Enhancement	Nov. 2	09:00-10:40
1570924076	OpenPose Based Yoga Poses Difficulty Estimation for Dynamic and Static Yoga Exercises	Oral Presentation	E4	Artificial Intelligence (AI) for Multimedia Processing and Applications	Nov. 2	13:30-15:30
1570922271	Un-Rectifying in ReLU Networks and Applications	Oral Presentation	E4	Artificial Intelligence (AI) for Multimedia Processing and Applications	Nov. 2	13:30-15:30
1570925494	Multimodal Multifaceted Music Emotion Recognition Based on Self-Attentive Fusion of Psychology-Inspired Symbolic and Acoustic Features	Oral Presentation	E4	Artificial Intelligence (AI) for Multimedia Processing and Applications	Nov. 2	13:30-15:30
1570927150	Learned String Quartet Music with Variational Auto Encoder	Oral Presentation	E4	Artificial Intelligence (AI) for Multimedia Processing and Applications	Nov. 2	13:30-15:30
1570927209	SOAda-YOLOR: Small Object Adaptive YOLOR Algorithm for Road Object Detection	Oral Presentation	E4	Artificial Intelligence (AI) for Multimedia Processing and Applications	Nov. 2	13:30-15:30
1570927284	Badminton Self-Training System Based on Virtual Reality	Oral Presentation	E4	Artificial Intelligence (AI) for Multimedia Processing and Applications	Nov. 2	13:30-15:30
1570927017	Approximate Modeling of Malware Diffusion on Wireless Mobile Devices	Oral Presentation	E5	Digital Convergence of 5G/B5G, AIoT and Security	Nov. 3	09:00-10:40
1570922164	A Comparative Analysis of the Yolo Models for Intelligent Lobster Surveillance Camera	Oral Presentation	E5	Digital Convergence of 5G/B5G, AIoT and Security	Nov. 3	09:00-10:40
1570927369	Impacts of 5G-TDD Time Slot Configurations on the Downlink and Uplink Data Rates	Oral Presentation	E5	Digital Convergence of 5G/B5G, AIoT and Security	Nov. 3	09:00-10:40
1570922372	A UAV Indoor Obstacle Avoidance System Based on Deep Reinforcement Learning	Oral Presentation	E5	Digital Convergence of 5G/B5G, AIoT and Security	Nov. 3	09:00-10:40
1570926864	Deep Unfolding-Based Distributed MIMO Detection	Oral Presentation	E5	Digital Convergence of 5G/B5G, AIoT and Security	Nov. 3	09:00-10:40

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1570922549	Simultaneous Measurement of Multiple Acoustic Attributes Using Structured Periodic Test Signals Including Music and Other Sound Materials	Oral Presentation	F1	SLA-II: Music Information Processing	Nov. 1	10:20-12:00
1570926828	Audio-To-Score Singing Transcription Based on Joint Estimation of Pitches, Onsets, and Metrical Positions with Tatum-Level CTC Loss	Oral Presentation	F1	SLA-II: Music Information Processing	Nov. 1	10:20-12:00
1570920700	Learning Multifaceted Self-Similarity for Musical Structure Analysis	Oral Presentation	F1	SLA-II: Music Information Processing	Nov. 1	10:20-12:00
1570917886	Joint Drum Transcription and Metrical Analysis Based on Periodicity-Aware Multi-Task Learning	Oral Presentation	F1	SLA-II: Music Information Processing	Nov. 1	10:20-12:00
1570917888	CTC2: End-To-End Drum Transcription Based on Connectionist Temporal Classification with Constant Tempo Constraint	Oral Presentation	F1	SLA-II: Music Information Processing	Nov. 1	10:20-12:00
1570926883	Increasing Speech Intelligibility by Mimicking Professional Announcers' Voices and Its Physical Correlates	Oral Presentation	F3	SLA-V: Text-to-Speech and Voice Conversion	Nov. 2	09:00-10:40
1570926520	Accent-Preserving Voice Conversion Between Native-Nonnative Speakers for Second Language Learning	Oral Presentation	F3	SLA-V: Text-to-Speech and Voice Conversion	Nov. 2	09:00-10:40
1570921791	DisC-VC: Disentangled and F0-Controllable Neural Voice Conversion	Oral Presentation	F3	SLA-V: Text-to-Speech and Voice Conversion	Nov. 2	09:00-10:40
1570920609	Evaluating Methods for Ground-Truth-Free Foreign Accent Conversion	Oral Presentation	F3	SLA-V: Text-to-Speech and Voice Conversion	Nov. 2	09:00-10:40
1570922504	Speech Synthesis Using Ambiguous Inputs from Wearable Keyboards	Oral Presentation	F3	SLA-V: Text-to-Speech and Voice Conversion	Nov. 2	09:00-10:40
1570927158	Quick Response (QR) Codes Embedding in VVC Using Quantisation Parameter Manipulation	Oral Presentation	F4	Emerging Trends in Privacy, Multimedia Security and Forensics: Deep Learning and AI Approaches	Nov. 2	13:30-15:30
1570922211	Rotation Angle Detection Using a Pilot Signal from Rotated Stego-Image	Oral Presentation	F4	Emerging Trends in Privacy, Multimedia Security and Forensics: Deep Learning and AI Approaches	Nov. 2	13:30-15:30
1570922582	Application for Generating Re-Accessible Screenshots of Web Pages Using Histogram Shrinkage	Oral Presentation	F4	Emerging Trends in Privacy, Multimedia Security and Forensics: Deep Learning and AI Approaches	Nov. 2	13:30-15:30
1570925940	Domain Adaptation for Efficiently Fine-Tuning Vision Transformer with Encrypted Images	Oral Presentation	F4	Emerging Trends in Privacy, Multimedia Security and Forensics: Deep Learning and AI Approaches	Nov. 2	13:30-15:30
1570926183	Study on Face Landmark-Based Analysis for Synthetic Media Identification Generated by Adversarial Generative Networks	Oral Presentation	F4	Emerging Trends in Privacy, Multimedia Security and Forensics: Deep Learning and AI Approaches	Nov. 2	13:30-15:30
1570926557	HDR Image Watermarking Based on Saliency Detection and Quantization Index Modulation	Oral Presentation	F4	Emerging Trends in Privacy, Multimedia Security and Forensics: Deep Learning and AI Approaches	Nov. 2	13:30-15:30
1570920209	Explainable Deep Mechanical Troubleshooting	Oral Presentation	F5	Recent Advances in Industry 4.0: Exploring New Technologies, Applications, and Best Practices	Nov. 3	09:00-10:40
1570927810	Application of Wafer Defect Pattern Classification Model in the Semiconductor Industry	Oral Presentation	F5	Recent Advances in Industry 4.0: Exploring New Technologies, Applications, and Best Practices	Nov. 3	09:00-10:40
1570921920	Study on the Reduction of Background Fringes for Detect Detection on Specular Surface	Oral Presentation	F5	Recent Advances in Industry 4.0: Exploring New Technologies, Applications, and Best Practices	Nov. 3	09:00-10:40
1570927105	On the Optimal Self-Supervised Multi-Fault Detector for Temperature Sensor Data	Oral Presentation	F5	Recent Advances in Industry 4.0: Exploring New Technologies, Applications, and Best Practices	Nov. 3	09:00-10:40
1570928859	Question Answering System Based on Pre-Training Model and Retrieval Reranking for Industry 4.0	Oral Presentation	F5	Recent Advances in Industry 4.0: Exploring New Technologies, Applications, and Best Practices	Nov. 3	09:00-10:40
1570921468	Cognitive Assessment of Autism Spectrum Disorder Using an EEG-Based Social Interaction Platform	Oral Presentation	G1	Advanced Biomedical Signal Processing (I): Human Well-Being	Nov. 1	10:20-12:00
1570927087	Evaluation of Neural Response Recorded Using Scalp EEG in Virtual Reality Environment	Oral Presentation	G1	Advanced Biomedical Signal Processing (I): Human Well-Being	Nov. 1	10:20-12:00
1570926550	Prediction Model of Postoperative Pain Exacerbation Using a Wearable Electrocardiogram Sensor	Oral Presentation	G1	Advanced Biomedical Signal Processing (I): Human Well-Being	Nov. 1	10:20-12:00
1570926891	Directional Neural Connectivity During Robot Mirror Therapy in Patients with Stroke	Oral Presentation	G1	Advanced Biomedical Signal Processing (I): Human Well-Being	Nov. 1	10:20-12:00

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Paper No.	Title	Presentation Type	Session Number	Session Name	Session Date	Session Time
1570922459	Gait Analysis in Powered Exoskeleton-Assisted Walking in Patients with Stroke: A Case Series Cohort	Oral Presentation	G1	Advanced Biomedical Signal Processing (I): Human Well-Being	Nov. 1	10:20-12:00
1570923629	Implementation and Analysis on Backpropagating Refinement Scheme for Interactive Image Segmentation	Oral Presentation	G2	Advanced Image and Video Processing Using Deep Learning	Nov. 1	15:00-17:00
1570925450	Implicit Neural Representation for Video Coding Through Progressive Feature Extraction	Oral Presentation	G2	Advanced Image and Video Processing Using Deep Learning	Nov. 1	15:00-17:00
1570926766	3D Human Skeleton Estimation from Single RGB Image Based on Fusion of Predicted Depths from Multiple Virtual-Viewpoints	Oral Presentation	G2	Advanced Image and Video Processing Using Deep Learning	Nov. 1	15:00-17:00
1570926689	Low-Light Image Enhancement via Distillation of NIR-To-RGB Conversion Knowledge	Oral Presentation	G2	Advanced Image and Video Processing Using Deep Learning	Nov. 1	15:00-17:00
1570921413	Resolution-Adaptive Lossless Image Compression Using Frequency Decomposition Network	Oral Presentation	G2	Advanced Image and Video Processing Using Deep Learning	Nov. 1	15:00-17:00
1570926136	Deep Unfolded Underwater Image Enhancement Based on Extreme Channels Prior	Oral Presentation	G2	Advanced Image and Video Processing Using Deep Learning	Nov. 1	15:00-17:00
1570927108	Continual Local Updates for Federated Learning with Enhanced Robustness to Link Noise	Oral Presentation	G3	Distributed and Multi-task Learning Algorithms and Applications	Nov. 2	09:00-10:40
1570928560	Multi-Task Gaussian Process Learning to Fill in Gaps in LBS Mobile Data	Oral Presentation	G3	Distributed and Multi-task Learning Algorithms and Applications	Nov. 2	09:00-10:40
1570926395	Robust Networked Federated Learning for Localization	Oral Presentation	G3	Distributed and Multi-task Learning Algorithms and Applications	Nov. 2	09:00-10:40
1570932251	Communication-Efficient Design of Leaning System for Energy Demand Forecasting of Electrical Vehicles	Oral Presentation	G3	Distributed and Multi-task Learning Algorithms and Applications	Nov. 2	09:00-10:40
1570932225	Distributed On-Line Anomaly Detection Using Kernel Methods	Oral Presentation	G3	Distributed and Multi-task Learning Algorithms and Applications	Nov. 2	09:00-10:40
1570926483	CPIPS: Learning to Preserve Perceptual Distances in End-To-End Image Compression	Oral Presentation	G4	Intelligent Visual Data Processing, Analytics, and Representation	Nov. 2	13:30-15:30
1570922481	Task-Specific Pruning: Efficient Parameter Reduction in Multi-Task Object Detection Models	Oral Presentation	G4	Intelligent Visual Data Processing, Analytics, and Representation	Nov. 2	13:30-15:30
1570926704	From Synthetic to Real: Enhancing Deep Learning Models with Generative Adversarial Networks for Efficient Data Utilization in Automatic Retail Stores	Oral Presentation	G4	Intelligent Visual Data Processing, Analytics, and Representation	Nov. 2	13:30-15:30
1570927646	Sparse Tensor-Based Point Cloud Attribute Compression Using Augmented Normalizing Flows	Oral Presentation	G4	Intelligent Visual Data Processing, Analytics, and Representation	Nov. 2	13:30-15:30
1570927238	Virtual Garment Fitting Through Parsing and Context-Aware Generative Adversarial Networks with Discriminator Group	Oral Presentation	G4	Intelligent Visual Data Processing, Analytics, and Representation	Nov. 2	13:30-15:30
1570926120	Transformer-Based Image Compression with Variable Image Quality Objectives	Oral Presentation	G4	Intelligent Visual Data Processing, Analytics, and Representation	Nov. 2	13:30-15:30
1570922467	Deepfake-Speech Detection with Pathological Features and Multilayer Perceptron Neural Network	Oral Presentation	G5	Recent Advances in Intelligent Signal Processing	Nov. 3	09:00-10:40
1570926217	Reduction of Annotation Effort in Medical Image Analysis Based on Self-Supervised Learning	Oral Presentation	G5	Recent Advances in Intelligent Signal Processing	Nov. 3	09:00-10:40
1570920664	Temporal and Type Correlation in Digital Phenotyping for Bipolar Disorder State Prediction Using Multitask Self-Supervised Learning	Oral Presentation	G5	Recent Advances in Intelligent Signal Processing	Nov. 3	09:00-10:40
1570920666	Data Selection Based on Phoneme Affinity Matrix for Electrolarynx Speech Recognition	Oral Presentation	G5	Recent Advances in Intelligent Signal Processing	Nov. 3	09:00-10:40
1570928765	STUA-Net: A Fingerprint Reconstruction with Swin Transformer and Soft Collective Attention	Oral Presentation	G5	Recent Advances in Intelligent Signal Processing	Nov. 3	09:00-10:40
1570921513	Machine Learning Based Action Recognition with Modular CNN	Oral Presentation	H1	Advanced Information Processing Technologies for Human and World	Nov. 1	10:20-12:00
1570927043	Utilizing Unlabeled Data and Synthetic Data for Bird Sound Detection: Consistency Training, Mean Teacher, and Domain Adaptation Techniques	Oral Presentation	H1	Advanced Information Processing Technologies for Human and World	Nov. 1	10:20-12:00
1570926086	Deep-Learning-Based Lattice Reduction Preprocessing for Time-Correlated MIMO Systems	Oral Presentation	H1	Advanced Information Processing Technologies for Human and World	Nov. 1	10:20-12:00
1570922676	QoS-Aware Downlink Beamforming for Joint Transmission in Multi-Cell Networks	Oral Presentation	H1	Advanced Information Processing Technologies for Human and World	Nov. 1	10:20-12:00

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1570921690	Real-Time Processing for Weighted Pulse Decomposition of Photoplethysmography Signals Based on Interior Point Method in Wearable Devices for Hemodynamic State	Oral Presentation	H1	Advanced Information Processing Technologies for Human and World	Nov. 1	10:20-12:00
1570927227	Class-Wise Self-Paced Self-Training for Semi-Supervised Image Classification	Oral Presentation	H2	Advanced Learning-based Computer Vision Technologies	Nov. 1	15:00-17:00
1570922371	Efficient Constraint-Aware Neural Architecture Search for Object Detection	Oral Presentation	H2	Advanced Learning-based Computer Vision Technologies	Nov. 1	15:00-17:00
1570926708	A Reliable Feature-Based Framework for Vehicle Tracking in Advanced Driver Assistance Systems	Oral Presentation	H2	Advanced Learning-based Computer Vision Technologies	Nov. 1	15:00-17:00
1570922302	GNN-Based Small-Data Learning with Area-Control Mechanism for Hyperspectral Satellite Change Detection	Oral Presentation	H2	Advanced Learning-based Computer Vision Technologies	Nov. 1	15:00-17:00
1570928962	CapFormer: A Space-Time Video Description Model Using Joint-Attention Transformer	Oral Presentation	H2	Advanced Learning-based Computer Vision Technologies	Nov. 1	15:00-17:00
1570927114	Light-Weight Zero-Reference-Based Image Enhancement for Low-Light Images	Oral Presentation	H2	Advanced Learning-based Computer Vision Technologies	Nov. 1	15:00-17:00
1570925544	Multichannel Learning-Based Spatially Extended Active Noise Control via Model Matching and Sensor Transfer Function Interpolation	Oral Presentation	H3	Recent Advances on Signal and Information Processing for Active Control of Sound	Nov. 2	09:00-10:40
1570926380	A Study of the Microphone Protection of Active Noise Control for Axial Fan	Oral Presentation	H3	Recent Advances on Signal and Information Processing for Active Control of Sound	Nov. 2	09:00-10:40
1570921634	Radiated Sound Field Reproduction for Surrounding Loudspeaker Array Based on Higher-Order Ambisonics	Oral Presentation	H3	Recent Advances on Signal and Information Processing for Active Control of Sound	Nov. 2	09:00-10:40
1570930649	Practical Active Noise Control: Restriction of Maximum Output Power	Oral Presentation	H3	Recent Advances on Signal and Information Processing for Active Control of Sound	Nov. 2	09:00-10:40
1570926964	SFANC with Compensation Filter Based on MEFxDCTLMS Algorithm	Oral Presentation	H3	Recent Advances on Signal and Information Processing for Active Control of Sound	Nov. 2	09:00-10:40
1570920286	Out-Of-Vocabulary Word Detection in Spoken Dialogues Based on Joint Decoding with User Response Patterns	Oral Presentation	H4	SLA-VI: Speech Recognition	Nov. 2	13:30-15:30
1570927187	Streaming End-To-End ASR Using CTC Decoder and DRA for Linguistic Information Substitution	Oral Presentation	H4	SLA-VI: Speech Recognition	Nov. 2	13:30-15:30
1570922193	Synthetic Data Augmentation for ASR with Domain Filtering	Oral Presentation	H4	SLA-VI: Speech Recognition	Nov. 2	13:30-15:30
1570926765	ASR Model Adaptation for Rare Words Using Synthetic Data Generated by Multiple Text-To-Speech Systems	Oral Presentation	H4	SLA-VI: Speech Recognition	Nov. 2	13:30-15:30
1570916306	Toward Leveraging Pre-Trained Self-Supervised Frontends for Automatic Singing Voice Understanding Tasks: Three Case Studies	Oral Presentation	H4	SLA-VI: Speech Recognition	Nov. 2	13:30-15:30
1570926519	Multi-Self-Supervised Learning Model-Based Throat Microphone Speech Recognition	Oral Presentation	H4	SLA-VI: Speech Recognition	Nov. 2	13:30-15:30
1570927093	Automatic Call Classification of Autism Model Marmosets by Deep Learning and Analysis of Their Vocal Development	Oral Presentation	H5	Advanced Topics for Automatic Speaker Recognition	Nov. 3	09:00-10:40
1570922250	Coarse-Age Loss: A New Training Method Using Coarse-Age Labeled Data for Speaker Age Estimation	Oral Presentation	H5	Advanced Topics for Automatic Speaker Recognition	Nov. 3	09:00-10:40
1570925513	Contribution of Modulation Spectral Features for Cross-Lingual Speech Emotion Recognition Under Noisy Reverberant Conditions	Oral Presentation	H5	Advanced Topics for Automatic Speaker Recognition	Nov. 3	09:00-10:40
1570927002	Vocal Tract Length Perturbation-Based Pseudo-Speaker Augmentation for Speaker Embedding Learning	Oral Presentation	H5	Advanced Topics for Automatic Speaker Recognition	Nov. 3	09:00-10:40
1570927232	Cross-Domain Adaptation in Distance Space for Speaker Verification	Oral Presentation	H5	Advanced Topics for Automatic Speaker Recognition	Nov. 3	09:00-10:40
1570942973	Comparison of MPPT Based on Deep Reinforcement Learning by DQN, DDPG and TD3	Oral Presentation	I1	Selected Papers from APSIPA Workshop in Bandung, Indonesia (I)	Nov. 1	10:20-12:00
1570942861	A Comparative Evaluation of Video Codecs for rPPG-Based Heart Rate Estimation	Oral Presentation	I1	Selected Papers from APSIPA Workshop in Bandung, Indonesia (I)	Nov. 1	10:20-12:00
1570942882	Human Activity Recognition Based on FMCW Radar Using CNN and Transfer Learning	Oral Presentation	I1	Selected Papers from APSIPA Workshop in Bandung, Indonesia (I)	Nov. 1	10:20-12:00
1570942965	DQN Algorithm Design for Fast Efficient Shortest Path System	Oral Presentation	I1	Selected Papers from APSIPA Workshop in Bandung, Indonesia (I)	Nov. 1	10:20-12:00

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Paper No.	Title	Presentation Type	Session Number	Session Name	Session Date	Session Time
1570942983	Signal Quality Assessment Algorithm for HR and HRV Estimation from Wearable-Based Multichannel PPG Signals	Oral Presentation	I1	Selected Papers from APSIPA Workshop in Bandung, Indonesia (I)	Nov. 1	10:20-12:00
1570924219	Marine Snow Removal Benchmarking Dataset	Oral Presentation	I2	Physics-Inspired Image Restoration and Enhancement	Nov. 1	15:00-17:00
1570922540	Local Contrast Enhancement with Multi-Scale Filtering	Oral Presentation	I2	Physics-Inspired Image Restoration and Enhancement	Nov. 1	15:00-17:00
1570927409	Shot-Noise-Aware Image Signal Restoration for Photoelectronic Charge-Based Sensors	Oral Presentation	I2	Physics-Inspired Image Restoration and Enhancement	Nov. 1	15:00-17:00
1570924674	Cross-Frame Foreground Structural Similarity Modeling by Convolutional Sparse Representation	Oral Presentation	I2	Physics-Inspired Image Restoration and Enhancement	Nov. 1	15:00-17:00
1570926687	JPEG Artifact Removal for Hyperspectral Images Based on Spatial-Spectral Regularization	Oral Presentation	I2	Physics-Inspired Image Restoration and Enhancement	Nov. 1	15:00-17:00
1570927261	Data Driven Multiband Image Fusion That Preserves Wavelength-Specific Image Features	Oral Presentation	I2	Physics-Inspired Image Restoration and Enhancement	Nov. 1	15:00-17:00
1570943011	Sparsity Exploration for Structured and Unstructured Weight Formations in CNN Architecture	Oral Presentation	I3	Selected Papers from APSIPA Workshop in Bandung, Indonesia (II)	Nov. 2	09:00-10:40
1570942520	A QoS Throughput Performance Measurement Comparison Between UGS and BE Services of a Real-Time FPGA Based OFDM Multi-User System Design Implementation	Oral Presentation	I3	Selected Papers from APSIPA Workshop in Bandung, Indonesia (II)	Nov. 2	09:00-10:40
1570942836	Algorithm Development for Step-Wise Valve Deflation Method in Blood Pressure Measurement	Oral Presentation	I3	Selected Papers from APSIPA Workshop in Bandung, Indonesia (II)	Nov. 2	09:00-10:40
1570943002	SUMO Based Hardware/Software Co-Simulation for Two-Intersection Adaptive and Collaborative Traffic Signal Controller	Oral Presentation	I3	Selected Papers from APSIPA Workshop in Bandung, Indonesia (II)	Nov. 2	09:00-10:40
1570926458	Privacy-Preserving Image Transformation Method for Person Detection and Re-ID	Oral Presentation	I4	New Frontiers in Biometric Authentication	Nov. 2	13:30-15:30
1570927079	Development of a Robust Ear Recognition Algorithm Using Planar Approximation	Oral Presentation	I4	New Frontiers in Biometric Authentication	Nov. 2	13:30-15:30
1570921296	IPFed: Identity Protected Federated Learning for User Authentication	Oral Presentation	I4	New Frontiers in Biometric Authentication	Nov. 2	13:30-15:30
1570920232	A Biometric Signature Scheme with Template Protection and Authenticated Sample Recoverability	Oral Presentation	I4	New Frontiers in Biometric Authentication	Nov. 2	13:30-15:30
1570926514	Eye Biometrics Combined with Periocular and Iris Recognition Using CNN	Oral Presentation	I4	New Frontiers in Biometric Authentication	Nov. 2	13:30-15:30
1570926810	Mask2Hand: Learning to Predict the 3D Hand Pose and Shape from Shadow	Oral Presentation	I4	New Frontiers in Biometric Authentication	Nov. 2	13:30-15:30
1570917829	Urban Noise Monitoring Using Edge Computing with CNN-LSTM on Jetson Nano	Oral Presentation	I5	AI in Earth and Environment	Nov. 3	09:00-10:40
1570926089	A Framework for Reusing Earth Science Data on Data and Model Marketplaces	Oral Presentation	I5	AI in Earth and Environment	Nov. 3	09:00-10:40
1570926072	Random Forest of Classification and Regression Tree (CART) in the Estimation of SWC Based on Meteorological Inputs and Hydrodynamics Behind	Oral Presentation	I5	AI in Earth and Environment	Nov. 3	09:00-10:40
1570927098	Impact of the Weighted Loss Function on the Innovative CMAQ-CNN PM2.5 Forecasting Model	Oral Presentation	I5	AI in Earth and Environment	Nov. 3	09:00-10:40
1570927757	On the Semi-Blind Mutually Referenced Equalizers for MIMO Systems	Oral Presentation	J1	Selected Papers from APSIPA Workshop in Hanoi, Vietnam (I)	Nov. 1	10:20-12:00
1570927967	Transformer-Based Deep Learning Detector for Dual-Mode Index Modulation 3D-OFDM	Oral Presentation	J1	Selected Papers from APSIPA Workshop in Hanoi, Vietnam (I)	Nov. 1	10:20-12:00
1570926870	After-Fatigue Condition: A Novel Analysis Based on Surface EMG Signals	Oral Presentation	J1	Selected Papers from APSIPA Workshop in Hanoi, Vietnam (I)	Nov. 1	10:20-12:00
1570928068	GAFormer: Wearable IMU-Based Human Activity Recognition with Gramian Angular Field and Transformer	Oral Presentation	J1	Selected Papers from APSIPA Workshop in Hanoi, Vietnam (I)	Nov. 1	10:20-12:00
1570927863	Accurate Continuous Action and Gesture Recognition Method Based on Skeleton and Sliding Windows Techniques	Oral Presentation	J1	Selected Papers from APSIPA Workshop in Hanoi, Vietnam (I)	Nov. 1	10:20-12:00
1570917733	Generative Adversarial Network-Based Frame Interpolation with Multi-Perspective Discrimination	Oral Presentation	J2	IVM-2: Multimedia Generation and Synthesis	Nov. 1	15:00-17:00
1570927951	Enhanced Residual Fourier Transformation Network for Lightweight Image Super-Resolution	Oral Presentation	J2	IVM-2: Multimedia Generation and Synthesis	Nov. 1	15:00-17:00

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1570928912	ELEGANT: End-To-End Language Grounded Speech Denoiser for Efficient Generation of Talking Face	Oral Presentation	J2	IVM-2: Multimedia Generation and Synthesis	Nov. 1	15:00-17:00
1570926199	High-Quality Font Generation Based on StyleGAN2 and FFont Font Generation Model	Oral Presentation	J2	IVM-2: Multimedia Generation and Synthesis	Nov. 1	15:00-17:00
1570925404	LSR++: An Efficient and Tiny Model for Image Super-Resolution	Oral Presentation	J2	IVM-2: Multimedia Generation and Synthesis	Nov. 1	15:00-17:00
1570922518	ArtHDR-Net: Perceptually Realistic and Accurate HDR Content Creation	Oral Presentation	J2	IVM-2: Multimedia Generation and Synthesis	Nov. 1	15:00-17:00
1570933158	A Combination of Time and Frequency Synchronization with Doppler Compensation in Coded OFDM-Based UWA Systems	Oral Presentation	J3	Selected Papers from APSIPA Workshop in Hanoi, Vietnam (II)	Nov. 2	09:00-10:40
1570928253	Imaging Ultrasound Scattering Targets Using Density-Enhanced Chaotic Compressive Sampling	Oral Presentation	J3	Selected Papers from APSIPA Workshop in Hanoi, Vietnam (II)	Nov. 2	09:00-10:40
1570928854	Investigating the Role of Human Action Detector in Visual-Guide Audio Source Separation System	Oral Presentation	J3	Selected Papers from APSIPA Workshop in Hanoi, Vietnam (II)	Nov. 2	09:00-10:40
1570928502	Segmentation and Observation of Hand Rehabilitation Exercises by Supporting of Acceleration Signals	Oral Presentation	J3	Selected Papers from APSIPA Workshop in Hanoi, Vietnam (II)	Nov. 2	09:00-10:40
1570928123	1M Parameters are Enough? A Lightweight CNN-Based Model for Medical Image Segmentation	Oral Presentation	J3	Selected Papers from APSIPA Workshop in Hanoi, Vietnam (II)	Nov. 2	09:00-10:40
1570922337	Fatigue Classification and Onset Estimation Using Surface EMG Signals During Strength Training	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570922486	P300 Event-Related Potential in Perception of Multiple Traffic Objects During Vehicle Driving	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570939251	Detecting Wire Bonding Defects in Point Clouds on Self-Generated Dataset	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570922308	Soft-Sensor Construction Method Based on Adaptive Modeling and Transfer Learning for Manufacturing Process Including Maintenance Periods	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570927180	Learning Adapters for Code-Switching Speech Recognition	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570918278	Kernel Random Projection Depth for Outlier Detection	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570922599	Predicting Outcomes of Cognitive Behavioral Therapy for Depression Using Data Driven Approaches	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570921777	Improving Aspect Sentiment Classification via Retrieving from Training Data	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570926876	Deformable Aligned Fusion for Video Super Resolution	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570922358	FID-RPRGAN-VC: Fréchet Inception Distance Loss Based Region-Wise Position Normalized Relativistic GAN for Non-Parallel Voice Conversion	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570920445	A Computational Efficient Direct Position Determination Approach of Narrow-Band Emitter	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570920971	Modeling and Analysis of the Epidemic-Behavior Co-Evolution Dynamics with User Irrationality	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570927103	On Uncertainty Principles for Lowband Graph Signals	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570922381	Noise-Robust Pitch Detection Based on Super-Resolution Harmonics	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570921419	A Subband Approach to Personal Sound Zone with Joint Optimization of Sound Pressure and Particle Velocity	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570922494	An Multi-Evidence Fusion Based on C-Distance with Uncertain Reasoning for Classification	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570928993	CoA-DLinkNet: Connectivity-Enhanced Dual-Branch Road Extraction Network Based on D-LinkNet	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570926868	A Transformer-Based Framework for Tiny Object Detection	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00

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1570927977	Lightweight Models Distillation with Learnable Teaching Material: An Application for Smart Table Tennis System	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570926132	High-Quality Triggers Based Fragile Watermarking for Optical Character Recognition Model	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570926882	Black-Box Lossless Fragile Watermarking Based on Hidden Space Search for DNN Integrity Authentication	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570927112	A Visually Meaningful Image Encryption Algorithm with Attention Mechanism and Artificial Bee Colony Optimization	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570927116	Hiding Patient Information in Medical Images: A High-Capacity and Reversible Hiding Algorithm for E-Healthcare	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570927228	Selecting Suitable Data Input for Deep-Learning Sign-Language Recognition with a Small Dataset	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570925053	Analysis of the Interaction Effect on Pruning and Transfer Learning in Model Training	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570925063	Old Damaged Photo Recovery with Style Transfer-Based Data Augmentation	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570922573	Coupled Transformed Induced Tensor Nuclear Norm for Robust Tensor Completion	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570922565	Multi-Frequency Feature Enhancement for Multi-Granularity Visual Classification	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570926822	A Deep Learning Based Sustainable Energy Scheduling System	Poster Presentation	P1	Poster Session I	Nov. 1	10:20-12:00
1570927379	Segmentation Enhancement for Iris Recognition Using Unit Gradient Vectors	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570922743	Poisoning Attacks Against Gait-Based Identity Recognition	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570922457	STrack: Velocity Estimation Using Single Antenna WiFi Devices	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570926953	FactLLaMA: Optimizing Instruction-Following Language Models with External Knowledge for Automated Fact-Checking	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570920674	Auditory Representation Effective for Estimating Vocal Tract Information	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570927122	Fundamental Frequency Estimation Based on Finite-Order Harmonic Constraint Differential Equation	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570915674	Learning Semantic Information from Machine Translation to Improve Speech-To-Text Translation	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570922555	Few Shot Learning Guided by Emotion Distance for Cross-Corpus Speech Emotion Recognition	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570926885	Complex Feature Information Enhanced Speech Emotion Recognition	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570921424	Incorporating Pinyin into Pipeline Named Entity Recognition from Chinese Speech	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570919540	Single Source Zone Detection in the Spherical Harmonic Domain for Multisource Localization	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570927297	Effective Fine-Tuning Method for Tibetan Low-Resource Dialect Speech Recognition	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570925733	Multi-Task Piano Transcription with Local Relative Time Attention	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570927171	Learning to Enhance the Position Embedding and Coherence	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570924909	Investigation of Ensemble of Self-Supervised Models for Speech Emotion Recognition	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570919380	Real and Imaginary Part Interaction Network for Monaural Speech Enhancement and De-Reverberation	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570926496	SEformer: Dual-Path Conformer Neural Network is a Good Speech Denoiser	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570926314	Tone Labeling by Deep Learning-Based Tone Recognizer for Mandarin Speech	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570926719	Robust Representation Learning for Speech Emotion Recognition with Moment Exchange	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570927178	Progressive Multi-Scale Self-Supervised Learning for Speech Recognition	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00

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Paper No.	Title	Presentation Type	Session Number	Session Name	Session Date	Session Time
1570927184	Improved Data2vec with Soft Supervised Hidden Unit for Mandarin Speech Recognition	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570926154	The Color Demosaicing and Image Scaling Based on Improve Hamilton-Adams	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570926904	The Development of an AI-Assisted Diagnosis System for Adult Glioma Subtyping Prediction	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570927394	Improving Regularization of Deep Learning Models in Fundus Analysis	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570926198	VLSI Design of Lossless Image Compression Using Improved LZW	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570927196	Dental Positioning Medical Assistance System for BiteWing Radiograph Based on YOLOV4 and Image Enhancement	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570926670	Design of Interactive System for Acupoint Analysis Based on Augmented Reality	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570922719	Anomaly Detection of Rolling Element Bearings Using Domain Adaptation	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570922324	Asynchronous Federated Learning Method in the 6G Massive Multimedia Transmission System	Poster Presentation	P2	Poster Session II	Nov. 1	15:00-17:00
1570927322	Heart Rate Acquisition and Processing Techniques for a Miniature Wearable Microphone Sensor	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570926971	Assessing the Effects of Filtering Processing on Pulse Wave Transit Time Measured by Photoplethysmography from Earlobe	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570926838	ecVoice: Audio Text Extraction Optimization of Video Based on Idioms Similarity Replacement	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570922285	Compressive Sensing Based Algorithms for Limited-View PAT Image Reconstruction	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570927319	Towards AST-LLDs for the Analysis of Depression in Speech Signals	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570946901	Causal Analysis of Hepatic Fat Accumulation by Linear Mixed Causal Model	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570949755	Remarks on an Optimal Predictive Control Using a Quaternion Neural Network and a Metaheuristics Optimisation Method	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570927062	A Study on Counter-Movement Detection on Dumbbell Curl Using Convolutional	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570924987	Gender-Specific EEG Feature-Based Diagnostic Tool for Male Depression Based on Machine-Learning Techniques	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570926544	Investigation of the Neuromodulation Effect of tVNS on Electrical Brain Activity	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570926850	Optimal Input Data Search of Deep Learning Model for Cognitive Task Classification Based on NIRS	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570922230	Safety Enhancement for Mobility Scooter with Rule-Based Danger Prevention	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570921499	Detection and Correction of Defective Relative Humidity Data Collected from the Greenhouse Environment Using Nested Kalman Filters with Standard Deviation Analysis	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570926979	Pedestrian Crossing Intention Prediction with Multi-Modal Transformer-Based Model	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570927254	Revolutionizing Formative Assessment in STEM Fields: Leveraging AI and NLP Techniques	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570920753	A Biased Mixed-Precision Convolution Engine for Hardware-Efficient Computational Imaging CNN	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570920471	Efficient Incremental Text-To-Speech on GPUs	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570927023	Efficient Dictionary and Grid-Based Framework for Answering Durable k-Nearest Neighbor Queries on Time Series Data	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570927147	Dual-Path Residual Attention Convolution Networks for Color-Embedded-Grayscale Image	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570922438	DOC: A Novel DOuble-Contour-Based Macro Placement Framework for Mixed-Size Designs	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570926505	Hindering Adversarial Attacks with Multiple Encrypted Patch Embeddings	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40

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Paper No.	Title	Presentation Type	Session Number	Session Name	Session Date	Session Time
1570927197	Retinex-Based Low-Light Image Enhancement	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570922445	AI-Generated Image Detection Using a Cross-Attention Enhanced Dual-Stream Network	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570922352	Fine-Grained Face Anti-Spoofing Based on Recursive Self-Attention and Multi-Scale Fusion	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570922515	Robust Watermark Imaging via Graph-Signal Optimization	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570926452	A Print-Scan-Resilient Watermarking Scheme for Trademark Images	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570927165	StyleStegan: Leak-Free Style Transfer Based on Feature Steganography	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570926493	Implementation of PLIM on 429MHz LoRa/FSK with Improved Conversion Table	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570926840	Numerical Performance Evaluation of ℓ_1 - ℓ_2 Sparse Reconstruction Using Optical Analog Circuit	Poster Presentation	P3	Poster Session III	Nov. 2	09:00-10:40
1570925915	Analysis of Spectro-Temporal Modulation Representation for Deep-Fake Speech Detection	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570927027	Efficient Reversible Data Hiding for 3D Mesh Models Based on Multi-LSB Substitution and Ring-Prediction	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570927172	MAEDefense: An Effective Masked AutoEncoder Defense Against Adversarial Attacks	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570922465	Improved One-Class Learning for Voice Spoofing Detection	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570926158	Word Encoding for Word-Looking DGA-Based Botnet Classification	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570915123	Preemptive Image Protection Against Steganography	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570926726	Enhancing Whisper Model for Pronunciation Assessment with Multi-Adapters	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570927176	Classification of Vocal Cord Disorders: Comparison Across Voice Datasets, Speech Tasks, and Machine Learning Methods	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570922238	Zero-Shot Multi-Speaker Accent TTS with Limited Accent Data	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570921967	Flexible Evidence Model to Reduce Uncertainty Mismatch Between Speech Enhancement and ASR Based on Encoder-Decoder Architecture	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570926911	Investigating the Effectiveness of Speaker Embeddings for Shout Intensity Prediction	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570926190	Target Speaker Extraction with Attention Enhancement and Gated Fusion Mechanism	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570921329	Hybrid Multi-Task Learning for End-To-End Multimodal Emotion Recognition	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570920562	Language Modeling for Spontaneous Speech Recognition Based on Disfluency Labeling and Generation of Disfluent Text	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570926711	An Analysis of Personalized Speech Recognition System Development for the Deaf and Hard-Of-Hearing	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570921033	Speech Enhancement with Multi-Granularity Vector Quantization	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570926181	A Comparative Study on Multichannel Speaker-Attributed Automatic Speech Recognition in Multi-Party Meetings	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570926697	DoA Estimation of Speech Reflections in Rooms Using NN-Based MUSIC Algorithm	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570927014	Sound Field Estimation Around a Rigid Sphere with Physics-Informed Neural Network	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570922195	A Controlled Noise Reduction Wiener Filter Based on the Quadratic Eigenvalue Problem	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570922664	Is the Ideal Ratio Mask Really the Best?--- Exploring the Best Extraction Performance and Optimal Mask of Mask-Based Beamformers	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570920435	Hybrid Syllable and Character Representations for Mandarin ASR	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30

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Paper No.	Title	Presentation Type	Session Number	Session Name	Session Date	Session Time
1570922499	Transformer-Based Automatic Speech Recognition of Simultaneous Interpretation with Auxiliary Input of Source Language Text	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570925745	It's What You Say and How You Say It: Exploring Audio and Textual Features for Podcast Data	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570926939	Detecting the Underwater Distance and Swimming Direction of Tilapia Using YOLO	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570926831	Application of Deep Learning Techniques for Thermal Imagery Analysis in Abnormal Identification of Floor Tiles in Heritage Environments	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570926750	Breast Cancer Detection Auxiliary System Leveraging Deep Learning and Mixed Reality	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570927120	Wavelet and Cutout in YOLO Architecture for Road Pothole Detection	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570927125	Improve Lightweight Convolutional Neural Network for Finger Vein Recognition System	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570927129	Lightweight CNN and Image Enhancement Using in Palm Vein Recognition	Poster Presentation	P4	Poster Session IV	Nov. 2	13:30-15:30
1570919521	GAN-Based Time-Domain Packet Loss Concealment Method with Consistent Mapping Approach	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570921629	Speech Quality Improvement Utilizing Out-Of-Focus Areas in Rolling-Shutter Video on Speech Extraction	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570926559	AVATAR: Robust Voice Search Engine Leveraging Autoregressive Document Retrieval and Contrastive Learning	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570922368	Multi-Granularity Semantic and Acoustic Stress Prediction for Expressive TTS	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570922189	Personalized Audio Quality Preference Prediction	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570921528	Combining Multiple End-To-End Speech Recognition Models Based on Density Ratio Approach	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570922730	Construction of Automatic Speech Recognition Model That Recognizes Linguistic Information and Verbal/Non-Verbal Phenomena	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570927049	Speech-Emotion Control for Text-To-Speech in Spoken Dialogue Systems Using Voice Conversion and x-Vector Embedding	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570922512	NADiffuSE: Noise-Aware Diffusion-Based Model for Speech Enhancement	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570921604	Narrow-Edged Acoustical Beamforming Utilizing Phase Inversion for Frequency Modulation-Based Parametric Array Loudspeaker	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570929030	Accurate and Practical Query-By-Example by Using Multiple Deep Learning Models and Frame Compression Methods	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570929034	Ensemble of Transformer and Convolutional Recurrent Neural Network for Improving Discrimination Accuracy in Automatic Chord Recognition	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570922455	Corpus Construction for Deaf Speakers and Analysis by Automatic Speech Recognition	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570921339	Exploring Isolated Musical Notes as Pre-Training Data for Predominant Instrument Recognition in Polyphonic Music	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570921372	Jointly Modelling Transcriptions and Phonemes with Optimal Features to Detect Dementia from Spontaneous Cantonese	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570921000	Multi-Accent Pronunciation Assessment Based on Domain Adversarial Training	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570922534	Regression-Based Sound Event Detection with Semi-Supervised Learning	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570908853	Proportionate NLMS with Variable Step-Size for Adaptive Feedback Cancellation in Hearing Aids	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570922223	ScaleFormer: Transformer-Based Speech Enhancement in the Multi-Scale Time Domain	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570926681	Residual Echo Suppression Using Spatial Feature for Stereo Acoustic Echo Cancellation	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40

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1570923740	Multitaper Adaptive Time-Frequency Windowed Fourier Transform Based on the Reliable Region of Window Widths	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570926842	Enhancing Retinal Disease Classification with Dual Scale Twin Vision Transformers Using OCT Imaging	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570926867	Classification of Infant Sleep/Wake States: Cross-Attention Among Large Scale Pretrained Transformer Networks Using Audio, ECG, and IMU Data	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570927046	Dynamic Characteristics of Electroencephalogram Reflecting Driving-Experience-Dependent Performance Using Microstates	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570926929	Quefreny Domain Features with Residual Networks for Spoof Speech Detection	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570918989	UniVR: A Unified Framework for Pitch-Shifted Voice Restoration in Speaker Identification	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570926862	PDF-NET: Pitch-Adaptive Dynamic Filter Network for Intra-Gender Speaker Verification	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570922219	Feature Selection Based on Clonal Selection Algorithm for Image Steganalysis	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570926731	MHM-Based Reversible Data Hiding with Adaptive Feature Selection	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40
1570922528	Subjective Evaluation of a Focused Sound Source Reproducing at the Positions of a Listener's Moving Hand	Poster Presentation	P5	Poster Session V	Nov. 3	09:00-10:40