ORAL PRESENTATION SESSIONS
Thursday, 12th February, 2026 (10:00 – 16:30)

Oral Presentation (East-2 Building, Basement Room B117)		
Session 1 **Moderator:** Ahmed Miguel Roman Abolhosen		
01	10:00 - 10:20	Coupled DEM-FEM for 2D Micromechanical Simulation of Particle-laden Flow Through Porous Medium, Gamaliel Jeevan DEWANTO, AiQuSci Program, Matuttis Laboratory (M)
02	10:20 - 10:40	CLASSICAL-TO-QUANTUM ORBITAL-ANGULAR-MOMENTUM CONVERSION IN AN ATOMIC ENSEMBLE, Urgunoon SALEEM, SESS Program, Miyamoto Laboratory (S)
03	10:40 - 11:00	Detection Model for Audio Deepfakes Using Self-Supervised Representations to Prevent Identity Spoofing Attacks, Maria Vianney MEDINA, JUSST Program, Minami Laboratory (I)
04	11:00 - 11:20	Anomaly Classification with Scene Description in Public Roads, Vera Cordero Jose Emilio, JUSST Program, Takahashi Laboratory (J)
05	11:20 - 11:40	Graph Attention MLP-based Network for efficient 3D Human Pose Estimation, Luis ACEVEDO-BRINGAS, SESS Program, Takahashi Laboratory (J) -- *Online*
Lunch Break (11:40 - 13:00)		
Session 2 **Moderator:** Luca Malte BARRE		
06	13:00 - 13:20	Effect of Tube Dimension and Material on Formability in Eccentric Tube Processing by Expansion Drawing, Phone Myint Aung, JUSST Program, Kajikawa Laboratory (M)
07	13:20 - 13:40	The Effect of Biomass Species on Formability of Biomass Powder with Natural Binders, Cho Zin Thant, JUSST Program, Kajikawa Laboratory (M)
08	13:40 - 14:00	BronchoNet: A Novel Lightweight Pipeline for Real-Time Lesion Detection in Bronchoscopic Imaging, Tawhid Ahmed Komol, JUSST Program, Koizumi Laboratory (M)
09	14:00 - 14:20	Swin-UNet++: A Multi-Scale Transformer-CNN Hybrid for Brain Tumor Segmentation in MRI Scans, Rinvi Jaman Riti, JUSST Program, JUSST Program, Koizumi Laboratory (M)
10	14:20 - 14:40	EEG2Text: Natural Language Decoding from EEG via Transfer Learning and Multimodal Contrastive Learning, Jose Manuel CARRICHI CHAVEZ, JUSST Program, Nakashika Laboratory (I)

Poster Session (East-36 Building)

Right click on ▶️ and open the video in a new window

Poster No	Poster Title	Short Presentation Video
P01	Explainable Multimodal Deep Learning for Preoperative Classification of Ovarian Tumors using MRI Images and Clinical Data, Mahmudul Hasan NAYEM, JUSST Program, Koizumi Laboratory (M)	▶️
P02	Deep Learning Based Analysis and Recognition of Ancient Script Patterns, Zacnite Hazel Santiago Prado, JUSST Program, Takahashi Laboratory (J)	
P03	Physical Imaging-Based Control of a Dexterous Hand, Max SVARDH COLLIANDER, JUSST Program, Zhu Laboratory (I)	
P04	HMD-Embedded Vibration Feedback for Finger Contact Sensation, Nele HUGO, JUSST Program, Kajimoto Laboratory (J)	
P05	Multi-Disease Retinal Diagnosis Through Hybrid CNN-Vit Deep Learning Models, Noman ALI, GECHA Program, Shouno Lab (J)	
P06	Semantic-Aware Sharding and Verification for Federated Learning on Hyperledger Fabric, Muhammad LUQMAN FIKRI, SESS Program, Celimuge Laboratory (I)	
P07	Popularity-Based Recommendation System, Mysha ISLAM Simo, JUSST Program, Okamoto Laboratory (J)	
P08	An Explainable Deep Learning Approach for Backlit Image Enhancement Introduction References, Md. Abubakar RAHMAN, JUSST Program, Yoshida Laboratory (J)	
P09	Bio-Inspired Disaster Recovery, Finn Leander NERLICH, JUSST Program, Yamamoto Laboratory (J)	
P10	Impact of Reasoning Effort Controls on LLM-Generated Kokkos Parallel Code, Venantius Sean Ardi NUGROHO, JUSST Program, Miwa Laboratory (I)	
P11	Lightweight Caries Detection Model Design via Structured Pruning and Knowledge Distillation, Ziyi TANG, JUSST Program, Choo Laboratory (IEC)	
P12	An Overview of Multilevel Co-design for AI Accelerator: From Fundamentals to the Frontier, Lam Tra NGUYEN Thi, SESS Program, Pham Laboratory (I)	
P13	Implementation and Performance Comparison of 3D Rendering Techniques for Video Game Graphics Using DirectX, Lio BALLANTYNE, JUSST Program, Narumi Laboratory (I)	
P14	Loaded Transmission Line Phase Shifters for Beamforming Application, Zirui ZHANG, JUSST Program, Choo Laboratory (IEC)	
P15	Drift Diffusion Device Simulation for High Efficient Solar Cell, Wing Kin CHONG, GECHA Program, Sogabe Lab (S)	
P16	Systematic Modulation of Electronic Structure in Iron Phthalocyanine Derivatives and Orr Activity, Rida Syeda Anmol, SESS Program, Nakamura Laboratory (S)	
P17	Spatial Modulation of Atom–Photon Coupling in a High-Finesse Cavity, Muhammad SHURAIM, AiQuSci Program, Tanji Laboratory (S)	
P18	Spin Evolution of BEC in Atomic Interferometers Background, Chen Lin, JUSST Program, Saito Laboratory (S)	
P19	Cell-Arcadia: An Enhanced Strategy for Single-Round Selection of Covalent Aptamers Targeting Highly Selective Proteins, Jeremia Frandy APITALAU, SESS Program, Taki Laboratory (S)	

P20	Multi Resonant Metamaterial Based Microwave Sensor for Soil Monitoring, Muhammad FAISAL, SESS Program, Kan Laboratory (M)	
P21	Combining Winternitz One-Time Signature With Pseudorandom Generators Based on Quantum Resistant Computational Problems, Christopher JIE, MEXT Special Frame Program, Santoso Laboratory (I)	
P22	Underwater Soft Robot Based on EHD Pump Actuator, Cesar Morales, JUSST Program, Shintake Laboratory (M)	
P23	Empirical models Of Soft Bellows Actuator, Acalli Daniel SANCHEZ MERAZ, JUSST Program, Shintake Laboratory (M)	
Closing Remarks		

UEC Map

- Oral Presentation at East-2 building (12th Feb 2026, 10:00 - 16:30)
- Poster Presentation at East-36 building (13th Feb 2026, 11:00 - 13:00)