

JAFOE Poster List

Session 1

Wednesday, June 23 / Thursday, June 24
7:30 PM ET / 8:30 AM JST

Last Name	Floor	Poster Title	Keywords
Bryant	1	Muscle-Inspired Adaptive Actuation for Human-Assistive Robotics	Robotics, Prosthetics
Byron	1	How water moves stuff, and how stuff moves water	Bioinspiration, Fluid Dynamics, Particle
Chen	1	Fibers are Connecting the World	Digital Signal Processing
Fields	1	Prioritizing Actions to Adapt America's Infrastructure for Climate Change	Climate Adaptation Resilience
Gunji	1	ZooANATOMY and ZooMORPHOLOGY in soft robotics	Anatomy, Zoomorphology, Evolution
Hawkes	1	Vine Robots	Soft Robots/Actuation, Medical Devices
Hur	1	Differential Inertials Microfluidics for Biomedical Research	Microfluidics, Personalized Medicine
Kate	1	Blockchain, Anonymity, Cyber Physical	Blockchain, Anonymity, Cyber Physical
Kim	1	Global Water Cycle, Human Impacts, and Sea-Level Rise	Human impacts, Sea-level rise
Kobayashi	1	Multi-stakeholder Governance Model ~Internet to Blockchain	Internet, Blockchain, Multistakeholder
Kotake	2	Estimation of worker's proficiency in Manufacturing Operations by using Biological Information	Manufacturing, Biological Sensing
Kupresanin	2	Developing statistical and machine learning models that incorporate real-world variability and probabilistic behavior to quantify uncertainties in engineering and physics models	Uncertainty Quantification, Machine Learning
Liu	2	Blockchain Technologies in IoT Applications	IoT, Blockchain, Security
Matsumoto	2	Synthesis of the Degradable Polymers	Photosensitive/Degradable Polymers, Semiconductor
Mizouchi	2	Exploring What's Behind the Data to Enable Predictive Maintenance for Airplane	Predictive maintenance, Data
Mostafavi	2	Creating Scientific & Technological Innovations for More Resilient Communities	Urban Resilience, AI, Equity

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JAFOE Poster List

Session 2

Wednesday, June 23 / Thursday, June 24

8:15 PM ET/ 9:15 AM JST

Last Name	Floor	Poster Title	Keywords
Nguyen	2	A Guide for Large-Scale Training Deep Neural Networks on Supercomputer System	Deep Learning, Modeling
Ohashi	2	Additive Manufacturing for Soft Robots	Soft Robot, Tactile Sensor
Okahashi	2	Cognitive Rehabilitation in Daily Life Using a Virtual Reality System	VR, Occupational Therapy
Pietrzak	2	Risk & Resilience Assessments	Resilience, Assessment, Climate
Sasaki	2	Sea level change around Japan in the past and future	Global Warming, Sea Level Rise
Sato	3	Studies of safe & efficient hydrogen storage materials	Hydrogen Storage
Sojoudi	3	Efficient Computational Methods with Provable Guarantees for Data-Driven Problems	Optimization, Machine Learning, AI
Takamura	3	Real-time functional MRI neurofeedback as a new treatment method for major depressive disorder	fMRI
Tao	3	Machine Learning for Yield Enhancement in Semiconductor Manufacturing	Machine Learning, Semiconductors
Tokoro	3	Advanced Separation / Purification Technologies for the sound material-cycle society	Recycling, SDGs, Powder/Mineral Processing
Ushida	3	Regulatory considerations on Blockchain-based Decentralized Financial Ecosystem	Blockchain, Financial Regulation, DeFi
Wang	3	Blockchain and Distributed Ledger Technologies for 5G/6G Wireless Networks	Blockchain, 5G/6G Networks
Wong	3	Soft/Nano Fabrication	Graphene, 3D Printing, Mechanobiology
Wu	3	AI-Empowered Wind Engineering	AI, Hazard Mitigation, Wind Engineering
Yoshikawa	3	Concentrated polymer brushes: Applications in biomaterials	Radical Polymerization, Biointerface