

**2023 JAFOE
Poster Titles**

Poster #	Last Name	First Name	Poster Title
1	Amasawa	Eri	Environmental potential of reusing, renting, and sharing consumer products: systematic analysis approach
2	Bathen	Luis Angel	Transfer - Once for All
3	Bershteyn	Anna	Mathematical Modeling of High Burden Diseases
4	Chaterji	Somali	SIRIUS: Serverless Cloud Computing for Low-Latency Computer Vision
5	Colon Rodriguez	Yamil	Computational Design and Discovery of Materials
6	Cybart	Shane	Ion Beam Nano Lithography for Quantum Nano Electronics
7	Dorsey	Kristen	Programmable and Reconfigurable Soft Engineered Systems (PARSES) Lab
8	Eberle	Annika	Assessing the Performance of a Circular Economy for Wind Energy Technologies: A Summary of Three Analytical Tools
9	Fujigaya	Tsuyohiko	Surface Engineering of Carbon Materials for Applications
10	Fukuchi	Kentaro	Aerial projection system of interactive three-dimensional image for stage use
11	Fukushima	Katsuhiko	Design of a robot for human-centered system challenges and expectations when humans are included
12	Gerardin	Jaline	Perennial malaria chemoprevention with and without malaria vaccination to reduce malaria burden in young children: a modeling analysis
13	Gu	Lin	Machine Learning for X
14	Hayashi	Kumiko	Cargo delivery in neurons, and synaptic formation simulator
15	Heveran	Chelsea	Living building materials for improved sustainability
16	Hudson	Tyler	Composite Materials for Space and Aeronautics Applications
17	Kadowaki	Mariko	Numerical Simulations to Analyze the Corrosion Behavior of Al Alloy/Steel Coupled Structure
18	Kashino	Zendai	Ghelia - an AI startup for unprecedented business outcomes
19	Kishida	Masako	Risk-Aware Control Theory
20	Komiyama	Shoko	Optimal material selection in wear parts for industrial machinery
21	Komuro	Yasuaki	Application of Computational Biophysics in Drug Discovery Research
22	Kosai	Shoki	Resource management and low-carbon society in the automotive sector
23	Kumagai	Yu	Superior material discovery using computers
24	Landry	Markita	Landry Lab
25	Li	Ying	Machine Learning Discovery of Multi-Functional Polyimides
26	Mabry	Kelly	Deep-UV Hematology Analysis
27	Mann	Austin	Alloy Development & Material Design: Criteria for the Aerospace Industry
28	Mitchell	Michael	Structure-Guided Siloxane-Derived Lipid Nanoparticles Mediated Tissue Specific mRNA Delivery
29	Miyazaki	Tetsuro	Studies on Pneumatic Driven Power Assistive Device and Training System
30	Nakai	Miwa	Will the circular economy be advanced by sustainable investment? Prospects and challenges
31	Nakamura	Ryuhei	Power Generation from Ion Gradients
32	Narita	Akimitsu	Water-Soluble Nanoparticles with Fluorescent Nanocarbon Molecules

33	Natsume-Kitatani	Yayoi	Data-driven patient stratification and drug target discovery by detecting paired itemsets from medical information and omics data
34	Nio	Mariko	Real World Data Utilization in Clinical Development: Towards Innovation for Personalized Healthcare
35	Nishida	Nao	Understanding extracellular vesicle transfer within tumor tissue context
36	Numata	Keiji	Spider silk big database-driven biopolymer design and sustainable biosynthesis
37	Ohno	Hajime	Role of Technology Assessment toward Achieving Circular Economy and Carbon Neutrality
38	Otani	Takuya	Development of new robots working in new fields and operation system to control robots like your own body
39	Ou	Shiqi (Shawn)	Transportation Energy Evolution Modeling
40	Ouedraogo	Raoul	Autonomous Multi Agents for Search & Rescue of Disaster Survivors Trapped Under Rubble
41	Premaratne	Shavindra	Building a Quantum Computer to Solve Hard Computational Problems
42	Rouse	Elliott	
43	Sheikhi	Amir	Micro- and Nanoengineering of Soft Materials for Medicine and the Environment
44	Spangler	Jamie	De Novo Design of Cytokine Mimetics to Study and Manipulate the Immune System
45	Takai	Asuka	Aiming for motor skill learning, rehabilitation, and care prevention by evaluating motor and cognitive functions, and assisting movement using robots
46	Takaya	Yutaro	Carbon dioxide fixation with mine tailings
47	Tangudu	Jagadeesh	Ultra-Light, Integrated, Reliable, Aviation-Class, Co-Optimized, Motor and Power Converter with Advanced Cooling Technology
48	Tokoro	Chiharu	Advanced Powder Processing and Separation toward Circular Economy
49	Uehara	Akira	Cybernetics treatment and independence living improvement for neurological intractable disorders
50	Ware	Taylor	Soft Materials that Actuate and Grow
51	Yagi	Ryohei (Hachi)	Li-ion Battery Recycling in Practice
52	Yamazaki	Takahiro	Sustainable energy harvesting using functional magnetic materials
53	Yao	Yuan	Systems Modeling for A More Sustainable Industrial Future
54	Young	Aaron	Co-Adaptive AI Strategies for Personalizing Wearable Robotic Control to Individuals with Mobility Deficits