2018 JAFOE Poster Titles

1	Akoglu	Leman	Detecting Hot Spots and False Information
2	Aou	Kaoru	Materials Science & Engineering and Future Design of Mattresses
3	Appel	Eric	Supramolecular Biomaterials: From fundamentals to advanced applications
4	Armani	Andrea	Develop enabling materials and technologies to solve challenging problems
5	Barton	Kira	Novel Microfluidic Device Fabrication: A High Resolution 3D Printing Approach
6	Boginski	Vladimir	Network Science and Engineering
7	Brennecka	Geoff	Brennecka Functional Ceramics Lab
8	Calve	Sarah	Extracellular Matrix Dynamics During Tissue Assembly
9	Eggleston	Michael	Integrated Photonics and Optical Sensing
10	Furukawa	Hidemitsu	3D Printing toward Soft-matter Innovation
11	Gaunt	Robert	Bidirectional Intracortical Interfaces for Prosthetic Limb Control
12	Graham	Nicholas	Systems biology approaches for cellular engineering
13	Hashimoto	Takashi	Sustainable Safe Drinking Water Supply
14	Hendren	Zachary	Energy, Environment and Engineering Technologies at RTI
15	Horike	Satoshi	Synthesis of materials for fuel cell/battery
16	Hu	Kun	AI Powered Robot Microscope
17	Ihara	Masaru	Change of estrogenic activity during wastewater reclamation process
18	Imamura	Eiji	Waste water treatment systems
19	Ito	Kiyoto	Realization of a society in which various services / businesses are connected
20	Jassby	David	Emerging Water Treatment Technologies to Treat Our Increasingly Complex Wastewaters
21	Kawaguchi	Yoshihiko	Monitoring and prediction of water treatment process with fluorescence and multivariate analysis
22	Kitajima	Masaaki	Microbial Risks in Urban Water Cycle
23	Kuan	Yen-Cheng	Circuits and Systems for Bioengineering, AI, and Beyond
24	Kuroda	Keisuke	How Do Major Earthquakes Affect Water Quality?
25	LeFevre	Gregory	Defacto Water Reuse from Fields to Finished Water
26	Matei	Ion	A History of Inventing the Future
27	Matsubara	Takamitsu	Sample-Efficient Deep Reinforcement Learning for Robotic Cloth Manipulation
28	Miyagawa	Shoko	Nursing x FAB: The Concept and the Potential of Digital Fabrication in Nursing

29	Miyashita	Satoshi	Overview of Nanotechnology and Materials R&D
30	Mukaida	Shiho	Materials Informatics
31	Nakanishi	Waka	Conformation manipulation and motion of soft molecular machines
32	Nammoto	Takashi	Device Control by Using AI Technology
33	Narumi	Takuji	Computational Design of Human Perception, Cognition, and Action
34	Nishina	Yuta	Nanocarbon chemistry using bulk carbons
35	Ohama	Iku	Discovering Relevance-Dependent Bicluster Structure from Relational Data
36	Oishi	Yusuke	Tsunami Disaster Risk Reduction Using ICT
37	Oskooi	Ardavan	SIMPETUS - Simulations as Impetus for New Discoveries and Technologies
38	Plumlee	Megan	Simple, Cost-Effective Method for NDMA Analysis in Drinking Water and Recycled Water to Improve Public Health Protection
39	Rizzuto	Daniel	Direct Brain Interfaces for Memory Restoration after Traumatic Brain Injury
40	Saberidokht	Baharak	From Raw to Productionized: A Comparison of Spark ML1, Scikit-learn2 & H2O3
41	Sedlak	David	A Response to Rising Seas, Disappearing Habitat and Coastal Pollution
42	Serizawa	Ai	Shibaura Institute of Technology
43	Shepherd	Robert	Soft material composites are revolutionizing robotics
44	Shibata	Naoya	Development of advanced atomic-resolution electron microscopy for real-space electromagnetic field imaging at nanoscale
45	Stillwell	Ashlynn	U.S. Urban Water and Its Embedded Energy
46	Sumikura	Misaki	Water solutions
47	Tanaka	Yumi	Development of OHA Ceramic Electretsfor Vibrational Power Generator
48	Taniguchi	Tadahiro	Symbol Emergence in Robotics
49	Tien	Iris	Probabilistic methods for modeling and reliability assessment of civil infrastructure systems
50	Tsutsui	Hideaki	Low-cost biosensors for medical and agricultural applications
51	Umedachi	Takuya	Soft-bodied robots inspired by amoeba and caterpillars
52	Ushiba	Junichi	The Science of Brain-Machine Interface
53	Wigginton	Krista	Microorganisms and biopolymers in wastewater and drinking water
54	Yano	Shiro	Mirror Descent: Bridge Between Bayesian-brain and Reinforcement Learning Algorithm
55	Yip	Ngai Yin	Frontier of Desalination: Technologies for Ultrahigh-Salinity Brines
56	Yoshida	Hidehiro	Improvement of superplasticity in ceramics through GB chemistry
57	Hiraga	Takehiko	Rock is no longer rock anymore...rebirth
58	Kawashima	Noriaki	Strategy for restoring locomotor function after spinal cord injury