

Poster List

#	First Name	Last Name	Poster Title
1	Alice	Alipour	Resilience Assessment of Infrastructure Systems with Degrading components
2	Kazuhiro	Aoki	Imaging and Mathematical Modeling of Molecular Activities in Living Cells
3	Vadim	Backman	Photonics Meets Biology: From Nanoscale Imaging to Winning the War on Cancer
4	Billy	Bardin	Process Technology Research, Development, and Implementation at Dow
5	Kristopher	Barnthouse	Addressing Global Challenges in Biopharmaceutical Production
6	Marcie	Black	Nanowire Solar Cells
7	Geoff	Brennecka	Ceramic Capacitors for Reliable High Temperature Operation
8	Shantanu	Chakrabartty	Hybrid Methods for Approaching the Limits of Self-powering and Energy Scavenging
9	Candace	Chan	Foldable Origami Lithium-ion Batteries
10	Paul	Cuff	Secure Data Compression
11	Todd	Danko	Team TROOPER at the DARPA Robotics Challenge
12	Steven	Denbaars	
13	Shanhui	Fan	Electromagnetic Structures and Exploitation of the Dark Universe for Cooling on Earth
14	Jeffrey	Fullerton	Improving Healthcare Acoustics
15	Caterina	Gallippi	Acoustic Radiation Force Ultrasound Imaging in Clinical Application
16	Matthew	Gevaert	Ex vivo 3D Cell Culture Phenotypic Drug Response Profiling for Preclinical Screening and Personalized Medicine
17	Takeshi	Hashimoto	Unmanned Construction System for Disaster Response
18	Makoto	Igarashi	Advanced Endoscopic Imaging Technologies
19	Takanari	Inoue	Cellular Signaling Circuits Interfaced with Synthetic, Post-Translational, Negating Boolean Devices
20	Hiroyasu	Iwata	Human Assistive Robot Technology for Human's Living and Life
21	Alan	Jasanoff	Molecular Imaging of Brain Activity
22	Mandy	Kachur	Acoustics at Work in Hospitals
23	Yoshihiro	Kawahara	Low-Cost and Perpetual Sensing Systems Enabled by Ambient RF Energy Harvesting
24	James	Kinsey	Rapid Field Responses using Autonomous Underwater Vehicles
25	Noriko	Kodama	Towards a Network of Disaster Management Bases
26	Takeshi	Konishi	Energy Saving Systems of Power Supply for DC Electrified Railway
27	Elisa	Konofagou	Blood-brain barrier opening using focused ultrasound
28	Yoshihiro	Kuroda	Physics-based Simulation and Haptic Technologies for Medical Applications
29	Kazuo	Kurokawa	Imaging of Protein Delivery in Living Cells by Super-resolution Confocal Live Imaging Microscopy
30	Tomoko	Masaike	Conformational Changes and Chemistry of Single-molecule Enzymes revealed under the optical microscope

31	Nathan	Michael	Nuclear Disaster Site Inspection and Monitoring with Aerial Robots
32	Yohei	Michitsuji	Condition Monitoring Railway Bogie Measuring Contact Forces on Curves
33	Erik	Miller-Klein	Acoustical Design for Renovation of Neonatal Intensive Care Unit
34	Reiko	Miyazaki	Voice User Interface
35	Keiji	Nagatani	Field Robots in Tohoku University for Disaster
36	Yoshikazu	Nakajima	Computerization and Robotization in Surgeries
37	Michael	Oelze	Quantitative imaging in ultrasound for improved diagnostics and monitoring therapy response
38	Tetsuya	Ogata	Generation of Adaptive Behaviors by a Neuro-Robotics Approach
39	Masaya	Oki	Single Cell Visualization of Epigenetic Gene Expression through Multiple Generations
40	Aydogan	Ozcan	Computational Imaging, Sensing and Diagnostics
41	Jim	Pippine	Robotic Technology for Disaster Response
42	Eric	Pop	Energy in Nanoelectronics and Nanomaterials
43	Maurizio	Porfiri	Fish 'n' Robots: not a take-out food
44	Jared	Russell	Cloud Robotics
45	Shinichi	Sakamoto	Prediction, Control and Assessment of Environmental Noise
46	Hiroshi	Sato	How to solve problems of healthcare environments in Japan?
47	Nicoleta	Serban	Data Science: From Information to Knowledge to Decision Making
48	Naoki	Shinohara	Solar Power Satellite Project as Application of Wireless Power Transfer
49	Miwa	Sugiura	High Efficient Energy Conversion by Photosynthesis and its Application to Bio-photovoltaics
50	Yuki	Sugiura	A Novel Technology for Imaging of Disease Metabolism
51	Toshihide	Suzuki	Applications and Integrated Circuits in Millimeter Wave Band
52	Yukihiro	Tahara	Electronically Scanned Array Antennas for Communication and Sensing Applications
53	Joachim	Taiber	Standardization needs for dynamic wireless charging
54	Nelson	Tansu	Physics and Technology of III-Nitride Semiconductors for Energy Efficiency and Environmental Applications
55	Hiroko	Terasawa	Augmenting Signals against Noises: Understanding Human Body with Data Sonification
56	Vanessa	Tolosa	Advanced Neural Interfaces
57	Takeaki	Uno	New Approach and Algorithm for Analyzing Diversity of BigData
58	Jeffrey	Urban	Engineering optimized flows of mass, heat, and charge at polymer/nanocrystal interfaces.
59	Natsuki	Yamanobe	High-Access Survey Robot for Fukushima Daiichi Nuclear Power Station
60	Takeshi	Yanagida	Energy Harvesting using Nano-materials
61	Hiroshi	Yokoyama	Computational Prediction of Aerodynamic Noise
62	Tomoaki	Yoshida	Quince: Monitoring Robot for Disaster Response in the Fukushima-Daiichi Power Facility
63	Keiichi	Zempo	Microphone Array and Acoustical Field Imaging