

OIST-KYUDAI Joint Symposium series 1
-Bio-Inspired Wonders and Energy Innovations-

Draft

PROGRAM

OPENING

9:30	0:05	Welcome Address, OIST
9:35	0:25	Explanation Shinka Grant / Kyudai matching Grant

TALK SESSION 1: Nature/Bio-inspired (Engineering) themes

10:00	0:15	Tadashi Yamamoto	Professor, OIST	TBD	Chair: Natsuko Hamamura (TBD)
10:15	0:15	Natsuko Hamamura	Professor, Kyudai	Exploring microbe-mineral interactions and biotransformation of toxic metalloids for potential application in metal-biotechnology	
10:30	0:15	Franz Meitinger	Assistant Professor, OIST	Mitotic stress dependent activation of the tumor suppressor p53	
10:45	0:15	Mikita Suyama	Professor, Kyudai	Searching for causative mutations of genetic disorders focusing on splice-site-creating mutations	
11:00	0:15	Nick Luscombe	Professor, OIST	TBD	
11:15	0:15	Seiji Arakaki	Associate Professor, Kyudai	Introduction of the Amakusa Marine Biological Laboratory as a field center for ecological studies on coastal environments	
11:30	0:15	Lauren Sallan	Assistant Professor, OIST	Teasing Apart the Origins, Function, and Diversification of Novel Forms in Fishes	
11:45	0:15	Koji Shimoyama	Professor, Kyudai	Data-driven and data-informed design of fluid machinery	
12:00	1:00	Lunch			

TALK SESSION 2: Energy and Sustainability (Materials, Chemistry, Energy)

13:00	0:15	Akimitsu Narita	Assistant Professor, OIST	Molecular Synthesis and Functionalization of Atomically Precise Fluorescent Nanographenes	Chair: Ryotaro Aso (TBD) or Ryota Kabe
13:15	0:15	Ryo Ohtani	Associate Professor, Kyudai	Functional cyanido-based solid state materials consisting of tetracyanomethylate units	
13:30	0:15	Naoki Tanaka	Assistant Professor, Kyudai	Doping strategy of single-walled carbon nanotube films for thermoelectric generators	
13:45	0:15	Christine Luscombe	Professor, OIST	Towards sustainable methods to synthesize semiconducting polymers	
14:00	0:15	Ryotaro Aso	Associate Professor, Kyudai	Nanoscale analysis by using advanced electron microscopy	
14:15	0:15	Toshinori Matsushima	Associate Professor, Kyudai	Halide perovskites for optoelectronics applications	
14:30	0:15	Ryota Kabe	Assistant Professor, OIST	Optoelectronic properties of stable organic charge carriers	
14:45	0:15	Ken Onda	Professor, Kyudai	Time-resolved Spectroscopic Studies on Fundamental Processes in Photofunctional Materials	
15:00	0:15	Shigenori Fujikawa	Professor, Kyudai	Free-standing nanomembranes for CO2 capture directly from the air	
15:30	0:30	Intermission (Coffee table)			

TALK SESSION 3: Cross disciplinary themes

16:00	0:15	Yoshinori Okada	Associate Professor, OIST	TBD	Chair: Shigenori Fujikawa (TBD)
16:15	0:15	Takeshi Yanagida	Professor, Kyudai	Robust Artificial Olfactory Systems by Designing Metal Oxide Nanostructures and Interfaces	
16:30	0:15	Kazutoshi Kato	Professor, Kyudai	Terahertz wave generation and its application	
16:45	0:15	Mahesh Bandi	Professor, OIST	Fluctuations in Renewable Energy	
17:00	0:15	Kazuya Saito	Associate Professor, Kyudai	Bioinspired Deployable Structures	
17:15	0:15	Haruichi Kanaya	Professor, Kyudai	Battery-less Sensor Platform	
17:30	0:15	Tsumoru Shintake	Professor, OIST	TBD	
17:45	0:15	Ayato Kanada	Assistant Professor, Kyudai	Woodpecker's Tongue-inspired Manipulator	
18:00	0:15	Fujio Tsumori	Professor, Kyudai	Biomimetic Engineering: Functional Surfaces and Soft-robots	

Closing

18:15	0:05	Closing remarks by Dr. Aya Hagishima
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