

# Day 1 @L4E48

## OIST-KEIO Joint Symposium Showcase Talk Series 5

-Science Meets Society : Exploring the Nexus of Planetary Well-being for a Sustainable Future-



Abstracts

### PROGRAM

This program is subject to change.

#### OPENING

9:00	0:05	Welcome remarks by Dr. Karin Markides, OIST President
9:05	0:05	Opening remarks by Dr. Kohei Itoh, KEIO President
9:10	0:05	Keio introduction by Dr. Masayuki Amagai, KEIO Vice President
9:15	0:05	OIST introduction by Dr. Amy Shen, OIST Provost
9:20	0:05	Reflection of collaboration by Dr. Kanai, KEIO Dean of School of Medicine

#### ICE BREAKER

9:25	0:10	"Meet n' greet"	Chair: Nick Luscombe
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#### KEYNOTE TALK

9:35	0:30	Kohei Itoh	President, Keio	Practical quantum computing	Chair: Thomas Busch
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10:05	0:15	Break			
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#### TALK SESSION 1: Quantum Sciences and Machine Learning

10:20	0:25	Kae Nemoto	Professor, OIST	Quantum science and machine learning	Chair: Thomas Busch
10:45	0:25	Mayu Muramatsu	Associate Professor, Keio	A phase-field model toward quantum annealing - application to the phase- separation structure of a diblock polymer	
11:10	0:15	Clea Mehnia Laouar	PhD Student, OIST	Large scale similarity search with Optimal Transport	

11:25	1:15	Lunch			
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#### TALK SESSION 2: Complexity of Science in Human Biology

12:40	0:15	Eiji Yamamoto	Senior Assistant Professor, KEIO	Complex phenomena of biomolecules: multiscale molecular dynamics simulation approaches from atom to mesoscale	Chair: Toshiharu Saiki
12:55	0:25	Ulf Dieckmann	Professor, OIST	Innovative Integrative Assessments for Promoting Sustainable Ecosystem Services	
13:20	0:25	Koji Atarashi	Associate Professor, KEIO	Gut Microbiota and Longevity	
13:45	0:15	Tomohisa Sujino	Assistant Professor, KEIO	Elucidating the role of the small intestine as a gatekeeper in diseases	
14:00	0:15	Hiroshi Yagi	Assistant Professor, KEIO	Biological Scaffold: Towards a New Standard in Regenerative Therapy	

14:15	0:25	Break			
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#### TALK SESSION 3: Marine Biology and Economics

14:40	0:15	Jamila Rodrigues	JSPS scholar, OIST	Measuring what matters: Ama divers, climate change and wellbeing - an interdisciplinary approach	Chair: Yuko Kimijima
14:55	0:25	Tim Ravasi	Professor, OIST	Adaptation and Acclimation of Coral Reef Fish as a Response to Climate Change	
15:20	0:25	Shonosuke Sugawara	Associate Professor, Keio	Statistical Modeling and Prediction for Spatio-temporal Data	

15:45	0:10	Break			
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## FLASH TALK-Introduction of Research

15:55	0:05	Yoko Hirose	Professor, Keio	KGRI/ Faculty of Policy Management
16:00	0:05	Makoto Yamada	Associate Professor, OIST	Machine Learning and Data Science (MLDS) Unit
16:05	0:05	Yuta Kojima	PhD Student, Keio	Graduate School of Science and Technology
16:10	0:05	Marco Terenzio	Assistant Professor, OIST	Molecular Neuroscience Unit
16:15	0:05	Rio Honda	Master Student, Keio	Graduate School of Science and Technology
16:20	0:05	Yuto Terashima	Master Student, Keio	Graduate School of Science and Technology
16:25	0:05	Franz Meitinger	Assistant Professor	Cell Proliferation and Gene Editing Unit
16:30	0:05	Masatoshi Kokubo	Researcher, Keio	Graduate School of Law (NeuroLaw)
16:35	0:05	Lea Picard	Postdoctoral Scholar, OIST	Cell Signal Unit
16:40	0:05	Dai Kusumoto	Assistant Professor, Keio	School of Medicine (Cardiovascular disease, machine learning, single-cell omics, vascular biology)
16:45	0:05	Vincenzo Calabrese	Staff Scientist, OIST	Micro/Bio/Nanofluidics Unit
16:50	0:05	So Takasugi	PhD Student, Keio	Graduate School of Medicine (Sensory system, Synapse, Neuroscience)

## Networking and Reception (L5 D Atrium)

17:30	2:00	Please proceed to the Lab 5 level D Atrium if you have registered to attend the reception dinner.		
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## Day 2 @L5D23

### TALK SESSION 4: Social Science for Humans, AI, and Avatars

9:30	0:25	Yuko Kimijima	Professor, Keio	Avatars, AI, Identity, and IP – Cyber-Physical Sustainability in Law and Ethics	Chair: Kae Nemoto
9:55	0:25	Vincent Laudet	Professor, OIST	From Clownfish to Nemo and back again: What marine biology research can bring to the public	
10:20	0:25	Yuliya Kulikova	Science and Technology Associate, OIST	Family-Friendly Policies and Fertility: What Firms Got to Do With It?	
10:45	0:10	Break			
10:55	0:25	Keigo Komamura	Professor, Keio	Challenges from Braintech in Our Society: Legal/Ethical Perspective on Neuroscience and the Future Technology Frontier	
11:20	0:25	Shunichi Kasahara	Visiting Researcher, OIST/Sony CSL	Cybernetic Humanity: Exploring the new humanity emerging from the integration of humans and computers	

### CLOSING REMARKS

11:45	0:05	Closing remarks by Dr. Nick Luscombe, OIST Dean of Research		
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