

<http://www.iragoconference.jp>

The Irago Conference 2016

Interdisciplinary Research And Global Outlook

Organized by the University of Electro-Communications, Tokyo
and Toyohashi University of Technology

*“360 degree outlook on
critical scientific and
technological challenges
for a sustainable society”*

1- 2 NOV 2016

Auditorium, University of Electro-Communications,
Chofu, Tokyo

Waves in science

Core sessions:

- Planetary and space science
- Advanced wireless communications technology
- Optics
- Advances in agriculture and biotechnology, medicine, nanoscience
- Computer science
- Music, Arts, and Humanities

Abstract submission and registration starts on 1st August 2016

Deadline of Abstract submission: 9 September 2016

Publication: Refereed papers published in American Institute of Physics (AIP)
Conference Proceedings

Chairpersons:

Takashi Fukuda (President, University of Electro-Communications, Tokyo)
Takashi Onishi (President, Toyohashi University of Technology)

Invited speakers (tentative):

Eizo Nakamura (Okayama University):

“Establishment of Comprehensive Analytical System for Terrestrial and Extraterrestrial Materials (CASTEM) and its Applications”

Kipp Cannon (University of Tokyo): *“Current Observational Results from LIGO and Virgo”*

Raffaele Flaminio (National Astronomical Observatory of Japan): *“Gravitational Wave Detectors: Status of the Art and Perspectives”*

Michael Kosch (South African National Space Agency): *“Mysterious in the Sky - Artificial Auroras and Black Auroras”*

Koji Nishimura (National Institute of Polar Research, Japan): *“Radar Observation of the Atmosphere; from a Technical Perspective”*

Michiko Tsubaki (University of Electro-Communications, Tokyo): *“Advanced Analysis by Types Based on Service Science Using Big Data”*

Keita Abe, Takeo Uchida (Tohoku University): *“Toward Polymerization Control of Homo-multimer”*

Miles Gander (University of Washington): *“Robust Digital Logic Circuits in Yeast with CRISPR/dCas9 NOR gates”*

Yutaka Hirata (Chubu University):

“Adaptive Control of Reflexive Eye Movements in Fish and Humans: ~Goldfish BMI, Artificial Cerebellum, and Sleepiness Prediction~”

Kazuhiro Takahashi (Toyohashi University of Technology):

“MEMS Optical Interferometric Surface-stress Sensor for Multi-biomarker Detection”

Chung Tin (City University of Hong Kong): *“Building a Real-time Artificial Cerebellum on FPGA”*

Yukihiko Okumura (NTT DOCOMO, INC.): *“Towards Actualization of the Next Generation Mobile System 5G”*

Jaesung Lee (Case Western Reserve University):

“Probing and Engineering Thermal Effects in Atomic Layer 2D Nanoelectromechanical Systems (NEMS)”

Katuhiko Maki (Aichi Shukutoku University):

“Spatial-radiation Characteristics of Musical Instruments and their Reproduction with a Spherical Loudspeaker Array”

Nobuko Miyairi (ORCID): *“ORCID: Connecting Research & Researchers”*

Masayuki Satoh (Mie University): *“Dementia Prevention Utilizing Music: Mihama-Kiho Project”*

Masumi Taki (University of Electro-Communications, Tokyo):

“Turn-on and Color-changeable Fluorogenic Molecular Probe for Specific Protein Detection Created by the 10BASEd-T”

Hiroaki Matsunami (Duke University): *“Function of Odorant Receptors”*

Kazuhiko Misawa (Tokyo University of Agriculture and Technology): *“Interdisciplinary Research Initiative of Photon-nano Science in TUAT”*

Graduate Student Session:

The Graduate Student Session provides a platform for graduate students to present their research to experts in their fields. Talks are assessed by the audience and an AWARD will be presented to the best presentation.

Enquires: secretariat@iragoconference.jp



Edison phonograph, An early version of Fleming valve
from UEC Museum of Communications



The Irago Conference:

The world is at a major turning point. Recent changes in global economics and industrial priorities, environmental and energy policies, food production and population movements have produced formidable challenges that must be addressed for sustaining life on earth.

The objective of this conference is to provide an 'interdisciplinary-platform' to enhance mutual understanding between scientists, engineers, policy makers, and experts from a wide spectrum of pure and applied sciences in order to resolve the daunting global issues facing mankind. In particular, the organizers would like to encourage graduate school students to participate and talk directly with internationally renowned academics, industrialists, and opinion leaders for a firsthand view of the major issues facing scientists and engineers of the 21st century.



Conference photo of The Irago Conference 2015 in Tahara-city, Aichi

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(Okayama University)

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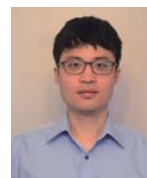
"Building a Real-time Artificial Cerebellum on FPGA"



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"Towards Actualization of the Next Generation Mobile System 5G"



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(Case Western Reserve University, USA)

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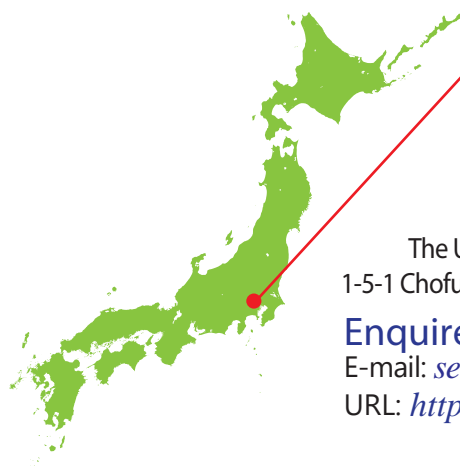
"Toward Polymerization Control of Homo-multimer"

Registration fee:

3,000 JPY (students) / 20,000 JPY (others)
for early-bird registration by 11th October 2016
7,000 JPY (students) / 25,000 JPY (others)
for regular registration

Banquet fee:

1,000 JPY (students) / 4,000 JPY (others)



UEC, Chofu, Tokyo



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