http://www.iragoconference.jp

# The Irago Conference 2015
## Interdisciplinary Research And Global Outlook

Organized by Electronics-Inspired Interdisciplinary Research Insitute (EIIRIS), Toyohashi University of Technology, Japan and The University of Electro-Communications, Japan

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

## Oct 22-23rd 2015
### Irago Sea-Park & Spa Hotel, Tahara-city, Aichi, Japan

**Core sessions:**
- Observation, Measurement, Monitoring & Evaluation
- Medicine and Healthcare
- Energy and Environment
- Frontiers of Advanced Science and Technology

**Deadline of Abstract submission: August 31, 2015**

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

**Chairpersons:**
Takashi Onishi (President, Toyohashi Tech)
Takashi Fukuda (President, The University of Electro-Communications, Japan)

**Invited speakers (tentative):**
**Masashi Hayakawa** (The University of Electro-Communications, Japan):
*"Earthquake prediction with electromagnetic phenomena"*
**Makoto Ishida** (Toyohashi University of Technology, Japan):
*"Electronics-Inspired Interdisciplinary Research at Toyohashi University of Technology"*
**Takeshi Kawano** (Toyohashi University of Technology, Japan):
*"3D integrated micro/nanowires for electrical, chemical, optical neural interfaces"*
**Takayoshi Kobayashi** (The University of Electro-Communications, Japan):
*"Development of DUV, UV, visible, IR ultrashort pulse lasers and their applications to carbon nanotubes and topological insulators"*
**Justin Llandro** (University of Cambridge, UK):
*"Overview of Research at the University of Cambridge on Magnetism and Related Phenomena in 2D & 3D Materials and Metamaterials"*
**Shojiro Maki** (The University of Electro-Communications, Japan):
*"Chemistry on Firefly Bioluminescence"*
**Wataru Mitsuhashi** (The University of Electro-Communications, Japan):
*"Introduction to Research Activities at the University of Electro-Communications"*
**Ken'ichi Nakagawa** (The University of Electro-Communications, Japan):
*"Observing and controlling the quantum world with ultracold atoms"*
**Shigeki Nakauchi** (Toyohashi University of Technology, Japan):
*"Understanding the human cognitive states via brain activities"*
**Adarsh Sandhu** (The University of Electro-Communications/Toyohashi University of Technology, Japan):
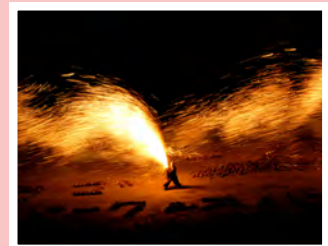*"In-situ WET-TEM technology: Ultra-high resolution electron beam based analysis of samples in liquids"*
**Takayuki Shibata** (Toyohashi University of Technology, Japan):
*"A Chip-based Platform for Cell Manipulation and Cellular Function Analysis"*

**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.

国立大学法人 豊橋技術科学大学 TOYOHASHI UNIVERSITY OF TECHNOLOGY

EIIRIS Electronics-Inspired Interdisciplinary Research Institute

UEC TOKYO 国立大学法人 電気通信大学

100th ANNIVERSARY SINCE 1918

2015/8/18

## 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



*Conference photo of The Irago Conference 2014 in Tsukuba, Ibaraki*

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.

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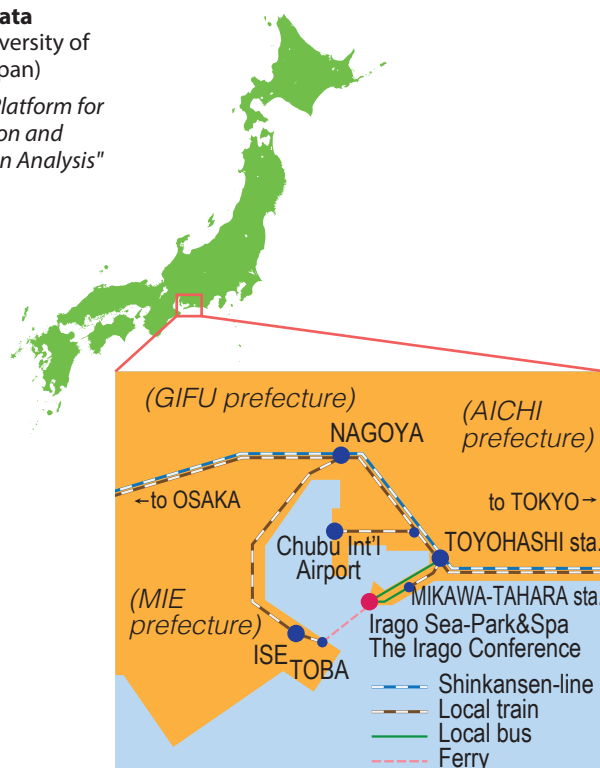
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## Venue:

Irago Sea-Park & Spa Hotel is located at the tip of the cape Irago, Tahara-city, Aichi prefecture. The hotel is facing the Ise Bay (Ise-wan), and has nice ocean view. Tahara has a mild climate. Adding to the major access to the hotel by bus from Toyohashi station, several accesses are available, and those will be noticed on the conference site. Irago Sea-Park & Spa Hotel is very close to the ferry terminal where you can get ferry to Ise and Toba city to visit Ise Shrine (Ise-jingu).



*http://www.iragoconference.jp*

## Registration fee:

2,000 JPY (students) / 20,000 JPY (others)  for early-bird registration by 25th September, 2015