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# The Irago Conference 2015

## Interdisciplinary Research And Global Outlook

Organized by Electronics-Inspired Interdisciplinary Research Institute (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”*

**Shojiro Maki** (The University of Electro-Communications, Japan):

*“Chemistry on Firefly Bioluminescence”*

**Ken'ichi Nakagawa** (The University of Electro-Communications, Japan):

*“Observing and controlling the quantum world with ultracold atoms”*

**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.

