

# AP-IRC 2011

**The Asia-Pacific Interdisciplinary Research Conference 2011**  
Organized by Electronics-Inspired Interdisciplinary Research Institute (EIIRIS),  
Toyohashi University of Technology, Japan

## *Call for Papers*

### Objective

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.

This conference provides 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 insight into the major issues facing scientists and engineers of the 21<sup>st</sup> century.

### Areas covered by the conference

The conference will cover the following three areas of research.

#### ● Green Science and Technology

- Plant science
- Agriculture
- Environment
- Climate change
- Waste management
- Pollution
- Oceanography
- Natural disaster management

#### ● Innovative Mechano-Magneto-Electronic Systems

- Electronic materials
- Devices
- Integrated circuits
- MEMS and NEMS
- Optoelectronics
- Magnetic materials and related devices
- Man-Machine Interface
- Robotics
- Piezoelectric actuators
- Spintronics

#### ● Life Sciences

- Neuroscience
- Genetics
- Molecular biology
- Health care
- Drug delivery
- RNA Technology
- Nanosurgery
- Microorganisms
- Biomimetic materials and protocols

The conference will mainly consist of poster presentations, with oral presentations by invited speakers and a selection of contributed papers.

### Publication

Manuscripts submitted for publication in the proceedings of the AP-IRC 2011 will be refereed and those accepted will be published in the Institute of Physics Journal of Physics Conference Series (JPCS).

### Schedule and important deadlines

Conference: Thursday 17<sup>th</sup> and Friday 18<sup>th</sup> November 2011

Place: Toyohashi University of Technology (Toyohashi Tech), Aichi, Japan

Deadline for abstract submission: Wednesday 31<sup>st</sup> August 2011

Manuscript of paper for publication in JPCS: 10<sup>th</sup> October 2011

## Registration fee

1000 JPY (students) / 5000 JPY (others)

## Further information and AP-IRC 2011 website

E-mail: [secretariat@apirc.jp](mailto:secretariat@apirc.jp)

Telephone: 81-(0)-532-81-5117

URL: <http://www.apirc.jp>

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\*Unless otherwise stated, the members of the various committees are from  
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### Organizer

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<http://www.eiiris.tut.ac.jp>