

2014 **11/6** (Thur.) 9:30–17:00

Place: **Hiroshima University Faculty Club**

広島大学学士会館 (Higashi-Hiroshima Campus)

No fee and registration (Contact office given below by Oct. 25 if participating in Banquet)

2ND HIROSHIMA INTERNATIONAL SYMPOSIUM ON SUSTAINABILITY SCIENCES

**Organized by Institute for Sustainable Sciences and Development (ISSD)
Hiroshima University**

9:30–9:40 **Opening Address Prof. Fusahito Yoshida** (Executive and Vice President of Hiroshima University)

<Materials and Mathematical Sciences>

9:40–10:10 **Invited Lecture Prof. Venkat Selvamanickam** (Houston University, USA)

Advanced Materials for Energy Applications

10:10–10:30 **Dr. Paolo Mele** (TT lecturer, ISSD)

Superconducting and Thermoelectric Thin Films for Sustainable Development

10:30–10:50 **Dr. Hiroki Miyaoka** (TT lecturer, ISSD)

Hydrogen Production and Storage Techniques on Sustainable Energy System

11:00–11:20 **Dr. Osamu Takahashi** (TT lecturer, ISSD)

Theoretical Study of Soft X-ray Spectroscopy for Sustainable Sciences

11:20–11:40 **Dr. Hiroyoshi Mitake** (TT lecturer, ISSD)

Tug-of-war and the System of the Infinity Laplace Equation

12:30–14:30 Poster session

<Biology and Environmental Sciences>

14:30–15:00 **Invited Lecture Assistant Prof. John S. Kominoski** (Florida International University, USA)

Sustaining Ecosystem Services Requires an Understanding of Organic Carbon throughout River Networks

15:00–15:20 **Dr. Hideyuki Doi** (TT lecturer, ISSD)

Forecasting and Monitoring Ecosystem Sustainability using Ecological and Molecular Techniques

15:20–15:40 **Dr. Kazuya Tanaka** (TT lecturer, ISSD)

Recovery of Metal Resources for Sustainable Development using Microorganisms

16:00–16:20 **Dr. Hisakage Funabashi** (TT lecturer, ISSD)

Detection of Inter/intra Cellular Response by Biofunctional Material-based Sensors

16:20–16:40 **Dr. Yoshiteru Aoi** (TT lecturer, ISSD)

Innovation for Cultivating Unculturables

16:40–17:00 **Closing Remarks Prof. Yukinori Yoshimura** (Director of ISSD)

17:30–19:30 Banquet (@La Bohème, ¥4,000)