



ISPlasma2012

GREEN INNOVATION SESSION

Energy efficiency, renewable energy, and environmental conservation are important themes for sustainable development. The new energy devices based on green innovation and advanced plasma science will be discussed in this session.

Thursday, March 8, 2012, 14:00-17:45

Miura Kohei Memorial Hall, Chubu University

Program

* Program is subject to change.

Keynote & Invited Lectures (14: 00 – 16:05)

Chair: **Hideki MASUDA (Nagoya Institute of Technology, Japan)**

- 14:00-14:35 **Robert J. NEMANICH (Arizona State University, USA)**
(Keynote) "PECVD of Doped Nanocrystalline Diamond Films for Electron Emission and Energy Conversion Applications"
- 14:35-15:05 **Akihiko YOSHIKAWA (Chiba University, Japan)**
(Invited) "Proposal of SMART III-Nitride Tandem Solar Cells with Using InN/GaN Magic Number Digital Alloys"
- 15:05-15:35 **Vladimir SVRCEK (AIST, Japan)**
(Invited) "Microplasma induced Surface Engineering of Silicon Nanocrystals in Liquid Medium"
- 15:35-16:05 **Tomohiro NOZAKI (Tokyo Institute of Technology, Japan)**
(Invited) "Room Temperature Methane Conversion for Green Technology: Direct Synthesis of Methane to Methanol"

Coffee Break (16:05-16:25)

Panel Discussion (16:25 – 17:45)

"Advanced Plasma Nanotechnology towards Green Innovation"

Chair: **Hideki MASUDA (Nagoya Institute of Technology, Japan)**
Moderator: **Tomohiro NOZAKI (Tokyo Institute of Technology, Japan)**
Panelists: **Makoto KAMBARA (The University of Tokyo, Japan)**
Meyya MEYYAPPAN (NASA, USA)
Robert J. NEMANICH (Arizona State University, USA)
Vladimir SVRCEK (AIST, Japan)

16:25 - 16:35	Introduction by Tomohiro NOZAKI
16:35 - 16:50	Short Presentation by Makoto KAMBARA
16:50 - 17:45	Open Discussion

CONTACT

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