

FIRST International Symposium for Young Students

Challenge of Chemistry toward Solar Energy Utilization

(太陽エネルギー利用に向けた化学の挑戦)

Date: 8th February, 2014

Place: ENEOS Hall, Environment and Energy Research Building (#3 Annex),
Research Center for Advanced Science and Technology (RCAST),
The University of Tokyo

Language: Japanese, English (Simultaneous interpretation will be provided.)

Moderator: Mayumi MATSUMOTO (Visiting Associate Professor, the University of Tokyo)

Program:

10:30~10:40 Opening Remark

10:45~11:15 (30) 《Tutorial》 **Intelligence of Nature: Solar Energy and the Photosynthesis**
(自然の叡智：太陽エネルギーと光合成)

Ludmira COJOCARU (Researcher, the University of Tokyo)

11:20~11:50 (30) 《Tutorial》 **Materials for Solar Energy Conversion: A Theoretical Study**
(太陽エネルギー変換を行う物質：理論的研究)

Giacomo GIORGI (Researcher, the University of Tokyo)

Lunch (Free Inspection of Posters and Samples)

13:20~14:00 (40) 《Keynote》 **Discovery and Application of Conducting Polymers**
(導電性高分子の発見と応用)

Hideki SHIRAKAWA (Emeritus Professor, Univ. of Tsukuba)

14:05~14:45 (40) 《Keynote》 **The Advent of Mesoscopic Solar Cells**
(メゾスコピック太陽電池の登場)

Michael GRÄTZEL (Professor, EPFL)

14:50~15:20 (30) 《Topical》 **Next-generation Solar Cells: Style of the Future**
(次世代太陽電池：未来のスタイル)

Hiroshi SEGAWA (Professor, the University of Tokyo)

Break (Free Inspection of Posters and Samples)

15:40~16:20 (40) 《Keynote》 **Photocatalysis and CO₂ Reduction**
(光触媒と CO₂ の還元)

Akira FUJISHIMA (President, Tokyo University of Science)

16:25~16:55 (30) 《Topical》 **Challenge to Artificial Photosynthesis**
(人工光合成への挑戦)

Haruo INOUE (Professor, Tokyo Metropolitan University)

16:55~17:00 Closing Remark

17:00~18:00 Reception (Free Inspection of Posters and Samples)