

"10th July, 2006 at EPFL"

EPFL-LPI seminar: Dye-Sensitized Solar Cells

9:00-9:20 Dr. Kohjiro Hara (AIST, Japan)

“Molecular Photovoltaics based on organic dyes”

9:20-9:40 Dr. Nagatoshi Koumura (AIST, Japan)

“New Series of Ionic Oligomer Gelators and Properties of Ionic Gels”

9:40-10:00 Dr. Ryuzi Katoh (AIST, Japan)

"Electron injection efficiency of dye-sensitized nanocrystalline films studied by transient absorption spectroscopy"

10:00-10:20 Coffee break

10:20-10:40 Dr. Hiroshi Imahori (Kyoto Univ., Japan)

“Porphyrin-Sensitized Solar Cells”

10:40-11:30 Dr. Lyuan Han (Sharp, Japan)

“Recent Advances in the Dye-Sensitized Solar Cells at Sharp Corporation”

11:30-12:30 Laboratory tour

12:30-14:00 Lunch

14:00-14:20 Dr. Motonari Adachi (Kyoto Univ., Japan)

“Determination of Parameters of Electron Transport in Dye-Sensitized Solar Cells Using Electrochemical Impedance Spectroscopy”

14:20-14:40 Dr. Naruhiko Masaki (Osaka Univ., Japan)

“Development of DSCs using a new ruthenium sensitizer, HRS-1”

14:40-15:00 Dr. Akinori Konno (Shizuoka Univ., Japan)

“Recent development of dye-sensitized solid-state solar cells using copper iodide”

15:00-15:20 Dr. Satoshi Uchida (Tohoku Univ., Japan)
“Film type DSC Fabrication using Microwave Power”

15:20-15:40 Dr. Shoji Kaneko (SPD Laboratory, Japan)
“Spray Pyrolysis Deposition of Transparent Conductive Oxide Films”

15:40-16:00 Coffee break

16:00-16:20 Dr. Shogo Nakade (Shinshu Univ., Japan)
“Parameters influencing electron diffusion coefficient and lifetime in dye-sensitized solar cells”

16:20-16:40 Dr. Hiroshi Segawa (Univ. Tokyo, Japan)
“Energy-storable dye-sensitized solar cell”

16:40-17:00 Dr. Jaejung Ko (Korea Univ., Korea)
The title has not yet been submitted.

17:00-17:20 Dr. Md. K. Nazeeruddin (EPFL, Switzerland)
"Molecular Engineering of Sensitizers for Solar Cell Applications"

17:40- Dinner (the speakers are invited.)