

**May 8, 2012**  
A-115, GIST College

# The 3<sup>rd</sup> SYMPOSIUM on Solar and Sustainable Energies

## Program

### Opening Remark

**14:00~14:10** Welcome Address ▶ Jung Ho Sonu, President, GIST

**14:10~14:20** Opening Address ▶ Seong Ju Park, Director, RISE

### Session 1

**14:20~15:05** Future Technologies Enabled by New Materials and Creative Ideas [Plenary Lecture]  
▶ Prof. Alan J. Heeger : University of California Santa Barbara(USA)

**15:05~15:30** High efficiency flexible CIGS solar cells and prospects of roll-to-roll manufacturability  
▶ Prof. Ayodhya N. Tiwari : Empa, Swiss Federal Laboratories for Material Science and Technology(Switzerland)

**15:30~15:50** Coffee Break

### Session 2

**15:50~16:15** Electrocatalysis for solar fuels  
▶ Prof. Marc T.M. Koper : Leiden University(Netherlands)

**16:15~16:40** Small Molecules for Solar Cell Fabrication : A New Type of Material Synthesis for Renewable Energy Research ▶ Prof. Guillermo C. Bazan : University of California Santa Barbara(USA)

**16:40~17:05** III-V/Si Integrated Multijunction Solar Cells for High Efficiency Photovoltaics at Reduced Cost  
▶ Prof. Steven A. Ringel : Ohio State University(USA)

**17:05~17:30** Probing electrocatalytic reactions with surface-enhanced infrared absorption spectroscopy (SEIRAS)  
▶ Prof. Masatoshi Osawa : Hokkaido University(Japan)

**17:30~17:55** New Materials for Solar Power Conversion Devices  
▶ Prof. Wladek Walukiewicz : Lawrence Berkeley National Laboratory (USA)