

I²CNER SATELLITE KICK-OFF SYMPOSIUM DISTINGUISHED SPEAKERS

MARCH 6, 2012

"Energy Challenges: Efficiency & Renewable Opportunities"

- **SAMUEL BALDWIN**

Chief Science Officer, Office of Energy Efficiency & Renewable Energy, U.S. Department of Energy

"Basic Science for Sustainable Energy"

- **GEORGE CRABTREE**

Argonne National Laboratory

"The Greet Model & Life-Cycle Analysis of Vehicle/ Fuel Systems"

- **MICHAEL WANG**

Center for Transportation Research, Argonne National Laboratory

"The Transportation Energy Transition & the Global Quest for Sustainable Energy"

- **DAVID GREENE**

Energy & Transportation Science Division, Oak Ridge National Laboratory

"National Planning for the Integration of Renewable Electric Technologies"

- **WALTER SHORT**

Former Manager of the Energy Forecasting & Modeling Group, U.S. National Renewable Energy Laboratory

"Carbon Capture & Storage in the Illinois Basin"

- **ROBERT FINLEY**

Midwest Geological Sequestration Consortium, University of Illinois at Urbana-Champaign

"The Materials Genome Initiative – the National Science Foundation Perspective"

- **IAN ROBERTSON**

Director, Division of Materials Research, National Science Foundation

"The Role of Nuclear Energy in Reaching and Sustaining a Carbon Neutral Energy Supply"

- **JAMES STUBBINS**

Department Head of Nuclear, Plasma, & Radiological Engineering, University of Illinois at Urbana-Champaign

"Transportation Energy: Opportunities & Challenges"

- **ROBERT CARLING**

Director, Transportation Energy Center, Sandia National Laboratories

"Toward for Low Carbon Transport, Progress & Challenges of Fuel Cell Vehicles & Hydrogen Infrastructures for 2015 Commercialization"

- **KATSUHIKO HIROSE**

Project General Manager, the Strategic Planning & Administration Department of the Fuel Cell System Engineering Division of Toyota Motor Corporation

"The U.S. Department of Energy's Efforts in the Emerging Fuel Cell Market"

- **SCOTT WEIL**

Fuel Cell Technologies Program, U.S. Department of Energy

I²CNER SATELLITE KICK-OFF SYMPOSIUM SPEAKERS

MARCH 7, 2012

"Design and Characterization of Soft Material Interfaces for Environment and Energy Applications"

- **ATSUSHI TAKAHARA**
WPI Principal Investigator, I²CNER, Kyushu University

"Energizing the Hydrogen Economy: Investigations of New Material Systems for Photocatalysis"

- **ANGUS ROCKETT**
Satellite Institution Principal Investigator, I²CNER, University of Illinois

"Mechanism of Hydrogenation in Interstitial Hydrogen Storage Materials"

- **JUNKO MATSUDA**
WPI Assistant Professor, I²CNER, Kyushu University

"Predictive and Guided Materials Design-by-Computation to Enable Hydrogen Production from Sunlight"

- **ELIF ERTEKIN**
Satellite Institution Principal Investigator, I²CNER, University of Illinois

"Powering the Future: Leading the World to a Carbon-Neutral Energy Society"

- **LIZANNE DE STEFANO**
Director, Illinois STEM Education Initiative

"Clean Energy Education: the International Initiative at Illinois"

- **JOHN ABELSON**
Professor of Materials Science & Engineering, University of Illinois

"Thermophysical Properties for Low-Carbon Energy"

- **YASUYUKI TAKATA**
WPI Principal Investigator, I²CNER, Kyushu University

"Laser and Optical Diagnostic for High-Pressure/ Low-Temperature CO₂ Flows"

- **DIMITRIOS KYRITSIS**
Satellite Institution Principal Investigator, I²CNER, University of Illinois

"Ultra Grain Refinement of Metastable Austenitic Stainless Steel"

- **SETSUO TAKAKI**
WPI Principal Investigator, I²CNER, Kyushu University

"Oxidation at Tribo-Interface under Repeated Contact in Hydrogen"

- **JOICHI SUGIMURA**
WPI Principal Investigator, I²CNER, Kyushu University

"Biomimetic Hydrogen Activation"

- **SEIJI OGO**
WPI Principal Investigator, I²CNER, Kyushu University

"Biomimetic H₂ Activation"

- **THOMAS RAUCHFUSS**
Satellite Institution Principal Investigator, I²CNER, University of Illinois

“Development of Next Generation Fuel Cells and Materials”

- **AKARI HAYASHI**
WPI Associate Professor, I²CNER, Kyushu University

“Facet-Controlled Bimetallic Electrocatalysts for PEM Fuel Cell Applications”

- **HONG YANG**
Professor, I²CNER, University of Illinois

“Innovations for CO₂ Separation”

- **KATSUKI KUSAKABE**
WPI Principal Investigator, I²CNER, Kyushu University

“Electrochemical Conversion of CO₂ into Value-Added Chemicals”

- **PAUL KENIS**
Satellite Institution Principal Investigator, I²CNER, University of Illinois

“Sub-seabed and Ocean CCS in I²CNER”

- **KIMINORI SHITASHIMA**
WPI Principal Investigator, I²CNER, Kyushu University

“Computational and Experimental Studies of Fluid Dynamics of Carbon Dioxide Storage”

- **ARNE PEARLSTEIN**
Satellite Institution Principal Investigator, I²CNER, University of Illinois