

# I<sup>2</sup>CNER

INTERNATIONAL INSTITUTE FOR  
CARBON-NEUTRAL ENERGY RESEARCH  
KYUSHU UNIVERSITY

**Molecular Photoconversion Devices**

**Hydrogen Materials Compatibility**

**Electrochemical Energy Conversion**

**Thermal Science and Engineering**

**CO<sub>2</sub> Storage**

**CO<sub>2</sub> Capture and Utilization**

**Energy Analysis**

**Catalytic Materials Transformations**

**Initiatives on Applied Math for Energy**

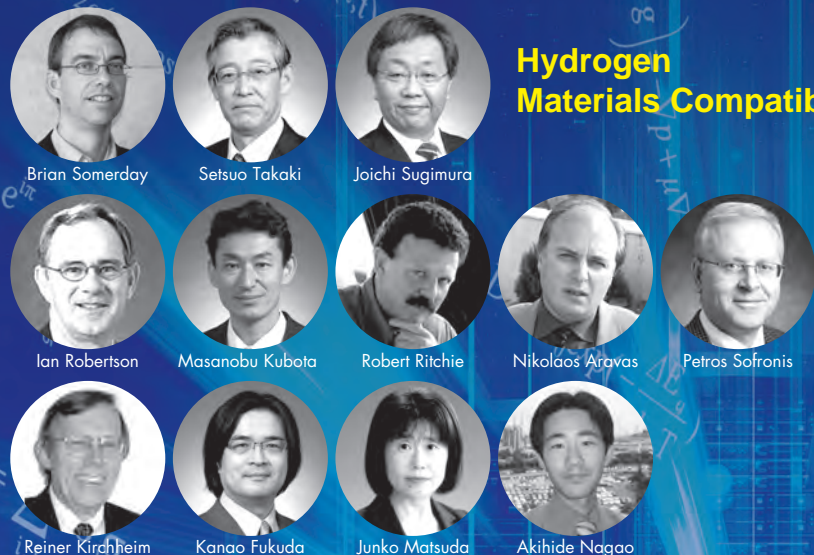
# Research Divisions

## Molecular Photoconversion Devices



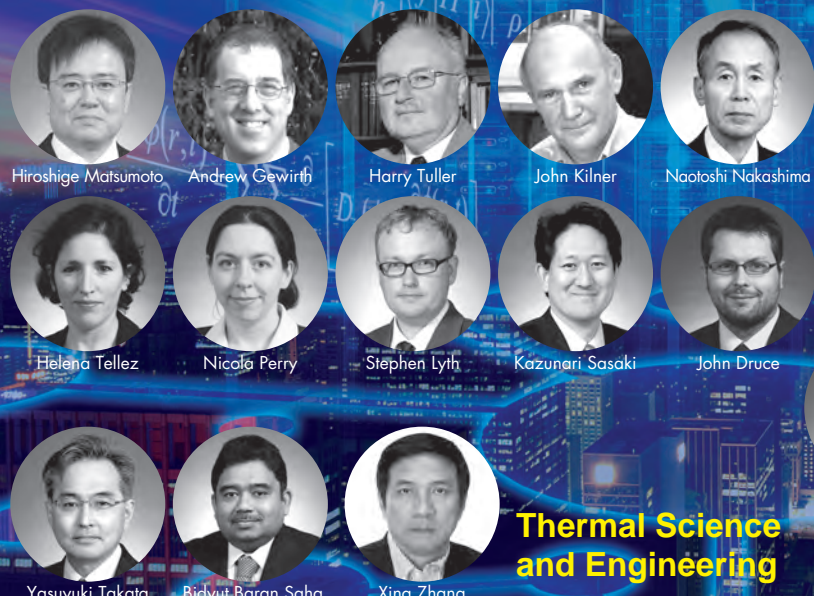
Tatsumi Ishihara Angus Rockett Atsushi Takahara Chihaya Adachi Elif Ertekin  
 Ken Sakai Xiuling Li Aleksandar Staykov Motonori Watanabe Thomas Lippert  
 Songmei Sun Toshinori Matsushima Zenji Horita Kaveh Edalati

## Hydrogen Materials Compatibility



Brian Somerday Setsuo Takaki Joichi Sugimura  
 Ian Robertson Masanobu Kubota Robert Ritchie Nikolaos Aravas Petros Sofronis  
 Reiner Kirchheim Kanao Fukuda Junko Matsuda Akihide Nagao

## Electrochemical Energy Conversion



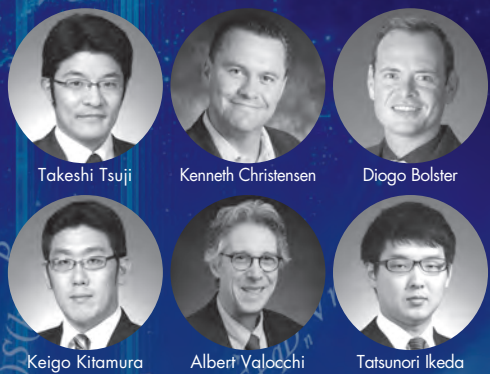
Hiroshige Matsumoto Andrew Gewirth Harry Tuller John Kilner Naotoshi Nakashima  
 Helena Tellez Nicola Perry Stephen Lyth Kazunari Sasaki John Druce  
 Yasuyuki Takata Bidyut Baran Saha Xing Zhang

## Thermal Science and Engineering



Yukihiro Higashi Daniel Orejon Harish Sivasankaran Nenad Miljkovic

## CO2 Storage



Takeshi Tsuji Kenneth Christensen Diogo Bolster  
 Keigo Kitamura Albert Valocchi Tatsunori Ikeda

## CO2 Capture and Utilization



Shigenori Fujikawa Toyoki Kunitake Paul Kenis  
 Ikuo Taniguchi Katsuki Kusakabe Benny Freeman

## Energy Analysis



Kenshi Itaoka Katsuhiko Hirose James Stubbins  
 Jack Brouwer Kuniaki Honda Yasumasa Fujii  
 Atsushi Kurosawa Makoto Akai Andrew Chapman

## Catalytic Materials Transformations



Seiji Ogo Miho Yamauchi Ki-Seok Yoon Masaaki Sadakiyo

## Initiatives on Applied Math for Energy



Nguyen Dinh Hoa Kaname Matsue