## International Researchers, Visiting Professors and Research Professors

The hydrogen research center at Kyushu University Ito Campus, equipped with a state-of-the-art facilities, is one of the most advanced research centers in the world, being supported from a wide range of talented researchers.

The aim of our research and development is to solve the global warming as a world common problem and furthermore to maintain new energy instead of an oil resource, by realizing hydrogen energy society in a near future.

As a part of this effort, we continue to send out information around to over the world and regularly invite talented researchers to join us, built an international partnerships for joint research.

Fukuoka is well known as one of the most comfortable Asian cities and we will assure comfortable living environment and an enough support by our dedicated staffs for international researchers.

Currently, research and development on hydrogen materials and fuel cells are being conducted in several major countries around the world, and some technologies have been migrating from the demonstration phase to practical applications.

We are actively inviting International researchers and share information with the outside world, so that the world's best database is utilized to realize a hydrogen-based society and is firmly established in accordance with international standards.

#### OInternational collaborating professors and researchers

#### Prof. Jader Ferreira Furtado Filho



Field of Research: Metal and alloy fatigue in hydrogen atmospheres Original Affiliation:

AIR LIQUIDE CRCD, France

### Prof. Petros A.Sofronis



Field of Research: Hydrogen embrittlement of

Original Affiliation University of Illinois at Urbana-Champaign,U.S.A. International Institute for Carbon-Neutral Energy Research, Kyushu University

Field of Research:

Mechanical behavior of materials, fracture mechanics

riginal Affiliation:

## Dr. Brian P.Somerday

Dr. Jussi Solin



Field of Research: Effect of hydrogen on metallic

Field of Research: Fatigue of metallic materials

VTT Technical Research Centre

Original Affiliation:

of Finland, Finland

Original Affiliation: Sandia National Laboratories, U.S.A.

#### Prof. Ian Robertson



- Materials Science and Engineering Hydrogen Structural Materials Original Affiliation: University of Wisconsin, U.S.A
- International Institute for Carbon-Neutral Energy Research, Kyushu University

#### Prof. John A. Kilner



#### Visiting Prof. Sean Bishop

- Field of Research: Mixed conductors, Ceramic materials
- Original Affiliation: Massachusetts Institute of Technology, U.S.A.

#### Prof. Robert O.Ritchie



Field of Research: Fatigue and fracture of materials, and fracture mechanisms

Original Affiliation: University of California Berkeley, U.S.A.

#### Prof. Reiner Kirchheim



Original Affiliation: University of Gottingen, Germany

#### Dr. Arnaud Macadre

Field of Research: Hydrogen Structural Materials

Original Affiliation: International Institute for Carbon-Neutral Energy Research, Kyushu University

#### Assoc. Prof. Stephen Lyth



Original Affiliation International Institute for Carbon-Neutral Energy Research, Kyushu University

#### Visiting Prof. Jennifer L.M. Rupp

Fuel cell systems, Ceramic materials

Original Affiliation: Swiss Federal Institute of Technology Zurich, Switzerland International Institute for Carbon-Neutral Energy Research, Kyushu University



Prof. Darrell Socie

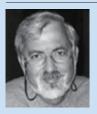
## Prof. Harry L. Tuller



Original Affiliation: Massachusetts Institute of Technology, U.S.A.

Field of Research: Mixed conductors

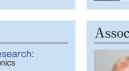
#### Prof. Ludwig J. Gauckler



mic materials Original Affiliation: Swiss Federal Institute of Technology Zurich, Switzerland

Field of Research:

# Field of Research



Field of Research:



#### Field of Research: Solid state ionics Original Affiliation: Imperial College London, UK



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#### $\bigcirc$ Visiting professors, etc. (2014-2015)

Division	Name	Affiliation	Title	Field of Research	
Hydrogen production	Teppei Ogura	School of Science and Technology, Department of Physics, Kwansei Gakuin University	Associate Professor	physical chemistry, computational chemistry	
Hydrogen storage	Chen Ping	Dalian Institute of Chemical Physics	Professor	solid-state hydrogen strage	
Hydrogen utilization	Masahiro Watanabe	Clean Energy Research Center, Fuel Cell Nanomaterials Center, University of Yamanashi	Director	fuel cells, electrode catalysts, adatoms fuel production/ purification catakysts	
Hydrogen utilization	Nobuyuki Kamiya	KM Labolatory (Former Professor of Faculty of Engineering, Yokohama National University)	President	fuel cells, industrial cracking	
Hydrogen utilization	Ludwig J.Gauckler	Swiss Federal Institute of Technology Zurich,Switzerland	Professor	ceramic materials	
Hydrogen utilization	Masaru Tsuchiya	SiEnergy Systems	Principal Scientist	fuel cells	
Hydrogen utilization	Jennifer L.M.Rupp	Swiss Federal Institute of Technology Zurich,Switzerland	Assistant Professor	fuel cells, ceramic materials	
Hydrogen utilization	Bilge Yildiz	Massachusetts Institute of Technology,U.S.A.	Associate Professor	surface science	
Safety management	Shogo Watanabe	Hydrogen Energy Test and Research Center	President	fuel cell/hydrogen systems	
Hydrogen systems	Kenichiro Ota	Graduate School of Engineering, Yokohama National University	Professor	fuel cells, water electrolysis, hydrogen energy	
Hydrogen systems	Romeo P Glovnea	School of Engineering and Design, University of Sussex, UK	Professor	mechanical engineering, tribology	
Hydrogen systems	Kanao Fukuda	Malaysia-Japan International Institute of Technology, Universiti Teknologi Malaysia	Professor	tribology	
Hydrogen energy sociology	Kazukiyo Okano	Hydrogen Energy Systems Society of Japan	Advisor	fuel cell, hydrogen energy	

#### OResearch staff at International Research Center for Hydrogen Energy (as of July 1, 2015)

Division	Name	Title	Division	Name	Title
Hydrogen production	Satoshi Fukada	Professor		Ayumi Zaitsu	Research Associate
	Yusuke Shiratori	Associate Professor	Hydrogen utilization	Shiun Noda	Research Associate
	Tran Tuyen Quang	Research Associate		Miki Fujita	Research Associate
	Chiaki Itasaka	Technical Support Stuff	Safety management	Masahiro Inoue	Associate Professor
	Tomomi Uchida	Technical Support Stuff		Joichi Sugimura	Professor
	Mio Sakamoto	Technical Support Stuff	Hydrogen systems	Kohei Ito	Professor
Hydrogen storage	Etsuo Akiba	Professor		Tatsumi Kitahara	Associate Professor
	Yasuyuki Takata	Professor		Hideyuki Dohi	Professor
	Takao Sajima	Assistant Professor	Clean energy social system	Masahiro Kasai	Associate Professor
Hydrogen utilization	Kazunari Sasaki	Distinguished Professor		Kaori Matsuzaki	Secretary
	Shunsuke Taniguti	Professor	Advanced devices	Akari Hayashi	Professor
	Masamichi Kohno	Associate Professor		Junichiro Yamabe	Research Professor
	Chie Uryu	Research Associate	Advanced systems	Miyuki Hayashi	Secretary
	Tsutomu Kawabata	Research Associate	Advanced materials	Hai-Wen Li	Associate Professor