

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.

International 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

Dr. Jussi Solin



- Field of Research:** Fatigue of metallic materials
- Original Affiliation:** VTT Technical Research Centre of Finland, Finland

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. Petros A.Sofronis



- Field of Research:** Hydrogen embrittlement of materials
- Original Affiliation:** University of Illinois at Urbana-Champaign, U.S.A. International Institute for Carbon-Neutral Energy Research, Kyushu University

Dr. Brian P.Somerday



- Field of Research:** Effect of hydrogen on metallic materials
- Original Affiliation:** Sandia National Laboratories, U.S.A.

Prof. Reiner Kirchheim



- Field of Research:** Research on metallic materials
- Original Affiliation:** University of Gottingen, Germany

Prof. Darrell Socie



- Field of Research:** Mechanical behavior of materials, fracture mechanics
- Original Affiliation:** University of Illinois at Urbana-Champaign, U.S.A.

Prof. Ian Robertson



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

Dr. Arnaud Macadre



- Field of Research:** Hydrogen Structural Materials
- Original Affiliation:** International Institute for Carbon-Neutral Energy Research, Kyushu University

Prof. Harry L. Tuller



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

Prof. John A. Kilner



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

Assoc. Prof. Stephen Lyth



- Field of Research:** Graphene in Fuel cells
- Original Affiliation:** International Institute for Carbon-Neutral Energy Research, Kyushu University

Prof. Ludwig J. Gauckler



- Field of Research:** Ceramic materials
- Original Affiliation:** Swiss Federal Institute of Technology Zurich, Switzerland

Visiting Prof. Sean Bishop



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

Visiting Prof. Jennifer L.M. Rupp



- Field of Research:** Fuel cell systems, Ceramic materials
- Original Affiliation:** Swiss Federal Institute of Technology Zurich, Switzerland International Institute for Carbon-Neutral Energy Research, Kyushu University

○Visiting professors, etc. (2014-2015)

Division	Name	Affiliation	Title	Field of Research
Hydrogen production	Tepei Ogura	School of Science and Technology, Department of Physics, Kwansai Gakuin University	Associate Professor	physical chemistry, computational chemistry
Hydrogen storage	Chen Ping	Dalian Institute of Chemical Physics	Professor	solid-state hydrogen storage
Hydrogen utilization	Masahiro Watanabe	Clean Energy Research Center, Fuel Cell Nanomaterials Center, University of Yamanashi	Director	fuel cells, electrode catalysts, adatoms fuel production/ purification catalysts
Hydrogen utilization	Nobuyuki Kamiya	KM Laboratory (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

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

Division	Name	Title	Division	Name	Title
Hydrogen production	Satoshi Fukada	Professor	Hydrogen utilization	Ayumi Zaitzu	Research Associate
	Yusuke Shiratori	Associate Professor		Shiun Noda	Research Associate
	Tran Tuyen Quang	Research Associate		Miki Fujita	Research Associate
	Chiaki Itasaka	Technical Support Staff	Safety management	Masahiro Inoue	Associate Professor
	Tomomi Uchida	Technical Support Staff	Hydrogen systems	Joichi Sugimura	Professor
	Mio Sakamoto	Technical Support Staff		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
Kazunari Sasaki	Distinguished Professor	Kaori Matsuzaki		Secretary	
Hydrogen utilization	Shunsuke Taniguti	Professor	Advanced devices	Akari Hayashi	Professor
	Masamichi Kohno	Associate Professor	Advanced systems	Junichiro Yamabe	Research Professor
	Chie Uryu	Research Associate		Miyuki Hayashi	Secretary
	Tsutomu Kawabata	Research Associate	Advanced materials	Hai-Wen Li	Associate Professor