ブラウンバッグセミナ Bag Seminar No.

12:10

(wed.) 12:50

Supported by Kyushu University, Q-AOS & TEMDEC

12:10-12:15

12:15-12:40

12:40-12:50

Introduction

Seminar
(Presentation)

• Q&A

Online

(700m)

Hydrogen energy to realize decarbonization society



Home town is Kumamoto. His major is polymer chemistry. He graduated Ph.D course of Kumamoto University in 2003 and worked in Unversity of Geneva, Switzerland from 2003 to 2005 as a postdoc. After a postdoc., he worked in Kanagawa Academy of Science and Technology as a researcher from 2005 to 2009. He worked in Kyushu University, as a research assistant professor in Institute for Materials Chemistry and Engineering from 2009 to 2011, as an assistant professor in I2CNER from 2011 to 2016, as an associate professor in NEXT-FC from 2016 to 2022. In 2022, he worked in Toyota central R&D labs as a visiting researcher, and he currently works as a professor in International Research Center for Hydrogen energy, Kyushu University. His current research project is development of durable and high-performance polymer electrolyte materials for fuel cell.

Realization of decarbonization is one of the big global issues to solve global warming. In this issue, hydrogen energy is focused as one of the key technologies to realize decarbonization in several industry sectors such as power generation and transportation.

In this seminar, role, contribution to the decarbonization and technical problems of hydrogen energy are explained. And he also explains about characteristics and mechanism of fuel cell vechicles which is his current research target, and introduces his current research progress on polymer electrolyte materials used in fuel cell.

2023