

## **Mitsuharu OGUMA, Ph.D.**



Director, Energy Process Research Institute (EPRI), National Institute of Advanced Industrial Science and Technology (AIST), Japan

2001 Ph.D. Ibaraki University

2001- National Institute of Advanced Industrial Science and Technology (AIST)

### **Research field:**

R&D of utilization technologies of new fuels such as dimethyl ether (DME), LPG, GTL, Bio-fuels, e-fuels etc, included not only fundamental study but also applied, practical, demonstrative and standardization studies.

### **Main research experience:**

2001-2020: R&D of DME fuel utilization technologies, and R&D of DME fuel standardization such as evaluation of impurities effect, development of lubricity evaluation method, establishing testing method of DME fuel properties, etc.

2013-2020: Investigation of EGR deposition mechanism on diesel engines

2021-now: R&D of e-fuel and hydrogen engine combustion technologies

### **Main standardization experience:**

2011-2021: Convenor of ISO/TC28/SC4/WG13 (DME fuel specifications)

2017-now: Chairman of ISO/TC28/SC5 (Measurement of refrigerated hydrocarbon and non-petroleum based liquefied gaseous fuels)