

10th IFCW (2025) Program

Dec. 4 (Thu.)	10:30-10:45 Opening Remarks	Workshop Chairman Akihiro Iiyama (Director of Hydrogen and Fuel Cell Nanomaterials Center, University of Yamanashi) Address from the Host of the Workshop Kazuhiko Nakamura (President of the University of Yamanashi) Congratulatory Speech Kiyotaka Ariizumi (Director-General of the Department of Industrial Policy of Yamanashi Prefecture)
	10:45-11:45	Chair: Katsuyoshi Kakinuma 【I01】 “Role of Mass Transport in Fuel-Cell Operation” Adam Weber (LBNL, USA)
	11:45-12:45	Chair: Katsuyoshi Kakinuma 【I02】 “Development of Second Generation New Structure Fuel Cell Stack” Shintaro Tanaka (Honda R&D Co., Ltd, Japan)
	12:45-14:00	<i>Lunch</i>
	14:00-15:00	Chair: Makoto Uchida 【I03】 “Analysis of Degradation Mechanisms and Strategies for Improving Durability in Alkaline Electrolyzers” Shigenori Mitsushima (Yokohama National University, Japan)
	15:00-16:00	Chair: Makoto Uchida 【I04】 “Cobalt dissolution from Pt _x Co/C cathode catalysts in PEMFCs: in-situ cobalt quantification and removal methods” Hubert A. Gasteiger (TUM, Germany)
	16:00-16:15	<i>Break</i>
	16:15-17:15	Chair: Toshihiro Miyao 【I05】 “Recent Developments in Polymer Electrolyte Fuel Cells and Electrolysis at UC Merced” Abel Chuang (University of California Merced, USA)
	17:15-17:55	Chair: Akihiro Iiyama 【I06】 “NEDO PE-FC Platform Project Results and FC-Cubic's Contribution” Koichi Kojima (FC-Cubic TRA, Japan)
	18:30-20:30	<i>Banquet: The Bell Classic Kofu</i>
Dec. 5 (Fri.)	9:40-9:45	General Information
	9:45-10:45	Chair: Akihiro Iiyama 【I07】 “Materials, Engineering and Applications for Water Electrolyzers” Hui Xu (Envision Energy, USA)
	10:45-11:45	Chair: Kenji Miyatake 【I08】 “Fluorine-free Hydrocarbon Ionomers” Steven Holdcroft (Simon Fraser Univ., Canada)
	11:45-13:00	<i>Lunch</i>
	13:00-14:30	Poster Presentation
	14:30-15:30	Chair: Katsuyoshi Kakinuma 【I09】 “Robust CCM Development for Heavy Duty Trucks” Alejandro Martinez Bonastre (Johnson Matthey, UK)
	15:30-16:30	Chair: Katsuyoshi Kakinuma 【I10】 “Mechanistic understanding of electrocatalysis towards water transport for PEM water electrolysis” Mehtap Oezaslan (University of Hamburg, Germany)
	16:30-16:45	<i>Break</i>
	16:45-17:25	Chair: Makoto Uchida 【I11】 “Pioneering Solutions to Overcome Trade-off between Conductivity and Hydrogen Permeability in PEM Water Electrolysis with Novel Perfluorinated Sulfonic Acid Polymers” Hideyuki Okada (AGC Inc., Japan)
	17:25-17:40 Closing Remark	Address from the Founder of the IFCW Masahiro Watanabe (University of Yamanashi)