

YOUNG SCIENTIST FORUM 2025, Jyväskylä, Finland

11:00-11:15	COFFEE
11:15-11:20	OPENING OF THE EVENT and WELCOME TO JYU
11:20-11:50	Invited Speaker: Daniel Martin-Yerga (Aalto), Bimetallic electrocatalysts for electro-oxidation of alcohol- based chemicals
	ORAL SESSION 1
11:50-12:05	Kayvan Moradi (JYU), The phase diagrams of Au(100) and Au(111) as function of pH and potential in aqueous solutions
12:05-12:20	Olha Yevdokimova (Åbo Akademi), Aldol Condensation of Cyclopentanone and Furfural on Ce-Based Catalysts for Production of Sustainable Aviation Fuel Precursors
12:20-12:35	Florian Rathmann (VTT), Harnessing Plasmonic Effects in Au@Ru Core-Shell Catalysts for Light-Enhanced CO ₂ Methanation
12:35-12:50	Jennyffer Stefania Martinez Quimbayo (University of Oulu), Impact of Pt impregnation on P25 for visible light photocatalytic applications
12:50-13:05	Buse Bilbey (Tampere University), Comparative Assessment of Proton-Conducting Electrolytes for Solid Oxide Cells
13:05-14:15	LUNCH
14:15-14:45	Invited Speaker: Jero Ahola (LUT University), How can technology research contribute to making green hydrogen more cost-effective?
	ORAL SESSION 2
14:45-15:00	Ali Margot Huerta Flores (University of Oulu), Redox Materials for Sustainable Hydrogen Production: Exploring Crystalline Structures, Surface Characteristics, and Advancements in Mechanistic Insights
15:00-15:15	Enrico Marchi (Åbo Akademi), Sorption enhanced carbon dioxide methanation
15:15-15:30	Laura Laverdure (Luleå tekniska universitet), Effects of pH and Potential on Pt-Catalyzed Glycerol Oxidation
15:30-15:45	Abhinash Singh (VTT), Methane oxidation inside DBD reactor: effect of catalysts
15:45-16:00	Christoph Schmidt (Åbo Akademi), New bi-functional catalysts for a novel continuous production of propylene oxide with in-situ generated hydrogen peroxide
16:00	CLOSING WORDS
16:30-17:30	POSTER SESSION
17:30 -19:00	ANNUAL MEETING OF THE FINNISH CATALYSIS SOCIETY
19:30	DINNER