

# AGH University of Science and Technology – Kyoto University

## Joint Workshop Program

**March 8, 2021      Online (Zoom)**

Japan	Poland	
17:00-17:05	9:00-9:05	Opening
17:05-17:25	9:05-9:25	Talk 1 <b>Yuya Tanimura</b> (Graduate student, KU) Asymmetric behavior of hydrogen-electrode-supported solid oxide cells between fuel cell and electrolyzer operations
17:25-17:45	9:25-9:45	Talk 2 <b>Kohei Yamazaki</b> (Graduate student, KU) Three-dimensional microstructure analysis of pore structures in solid oxide fuel cell anode: Effects of pore-size distribution on the gas transport properties
17:45-18:05	9:45-10:05	Talk 3 <b>Haewon Seo</b> (Ph.D. candidate, KU) Mesoscale structural modification for anode-supported solid oxide fuel cell: Effects of corrugated structures fabricated through microextrusion printing
18:05-18:25	10:05-10:25	Talk 4 <b>Marcin Pająk</b> (Ph.D. candidate, AGH) Evolutionary computation as a numerical tool for chemical reactor optimization design
18:25-18:45	10:25-10:45	Talk 5 <b>Szymon Buchaniec</b> (Ph.D. candidate, AGH) Artificial neural network supported numerical simulation for the characterization of reaction electrochemistry
18:45-18:50	10:45-10:50	<b>Lighting session</b> <b>Tomasz Prokop</b> (Ph.D. candidate, AGH) Anisotropic Decay of Microstructural Free Energy after Long Term Operation of an SOFC Stack
18:50-18:55	10:50-10:55	<b>Closing</b>