

22nd/July/2024 Room A (Concert Hall)

Time	No.	Title	Authors	Affiliations
Chair Shuntaro Tsubaki (Kyushu University)				
9:35-10:05	WS1	Microwave-Assisted Catalytic Processes for Environmental Protection	Hisahiro Einaga	Kyushu University
10:05-10:35	WS2	Possibility of using Waste Plastics in Development of Microwave Heating-based Ironmaking Process	Ko-ichiro Ohno, Tatsuya Kon	Kyushu University, Kyushu University
Chair Hisahiro Einaga (Kyushu University)				
10:35-11:05	WS3	Effects of Microwave on Direct Decomposition of NO on Metal Oxide	Tatsumi Ishihara, Yuta Ikoma, Jun Tae Song, Motonori Watanabe, Miki Inada	Kyushu University
11:20-11:50	WS4	Microwave Synthesis of Inorganic Materials; Insight and Advances.	Duncan Gregory	University of Glasgow
Chair Koichiro Ohno (Kyushu University)				
11:50-12:20	WS5	Thermal Plasma Processing for Material Synthesis and Environmental Applications	Manabu Tanaka, Takayuki Watanabe	Kyushu University
Chair Jun Fukushima (Tohoku University)				
13:35-14:05	WS6	Vibrating-Electromagnetic-Field-Based Technology as a Strategy Dealing with Carbon Neutral Issues	Yuji Wada	Tokyo Institute of Technology, General Incorporated Association ZeroC, JSPS R024
14:05-14:35	WS7	Microwave Processing as a New Trend in Materials Science	Hirotsugu Takizawa, Jun Fukushima	Tohoku University
Chair Satoshi Fujii (National Institute of Technology, Okinawa College)				
14:35-15:05	WS8	Industrial Applications of Microwave for Decarbonization in Metal Smelting and Mining	Kazuya Kono	Microwave Chemical Co., Ltd.
15:05-15:35	WS9	The Development of Efficient Electrified Heating Processes: A Case Study in Using Microwaves in Low Carbon Steel Production	Robert Bell, Matthew Sinclair	C-Tech Innovation Ltd
15:45-16:30	Panel discussion			