

Program
2nd AGH-KU Joint Seminar, Tuesday, March 15, 2022

20 minutes each (15 minutes for presentation, 5 minutes for discussion)

Krakow **Kyoto**

9:00 **17:00** Opening

9:05 **17:05** Session 1

Towards a Solid Oxide Fuel Cell microstructure evolution model calibrated using long-term performance experiment data

By Tomasz Prokop

Temperature-controlled microextrusion printing to obtain greater electrode–electrolyte interfacial area in solid oxide fuel cells

By Cheng Ding

Computational Fluid Dynamic Simulation of Banded Solid Oxide Fuel Cell Stack

By Karol Sreniawski

(Short Break)

10:10 **18:10** Session 2

Reforming of methane-ammonia mixed fuel on Ni-based SOFC anode: effect of oxide support

By Sora Nozaki

Persistence Homology Representation of Solid Oxide Fuel Cell Anode Microstructure

By Piotr Pawlowski

Effect of total pressure difference on counter transport of gases with different molecular weights through SOFC anode

By Kento Sengoku

11:15 **19:15** Closing