
Day 1, Tuesday September 8th

Opening

A. Tajduś

Rector of AGH University of Science and Technology

8:30 – 9:00

J. Strzelec - Łobodzińska

Vice-minister in Ministry of Economy

J. Molenda

President of Polish Hydrogen and Fuel Cell Association

9:00 – 9:40

invited lecture

K. Funke

"First and Second Universality" in disordered ion-conducting materials

9:40 – 10:20

invited lecture

L. Gauckler

Design, materials and processes for micro solid oxide fuel cells (SOFC micro fuel cells)

10:20 – 10:40

coffee break

10:40 – 11:20

invited lecture

I. Kosacki

Small but perfectly working - novel materials for energy

11:20 – 12:00

invited lecture

M. Mogensen

Nano-scale in SOFC electrodes

12:00 – 12:40

invited lecture

I. Riess

Catalysis of electrochemical processes and the suppression of chemical ones are needed in mixed reactant fuel cells. Can this be achieved?

12:40 – 14:10

lunch

14:10 – 14:50

invited lecture

J.T.S. Irvine

Fuel electrodes for solid oxide fuel cells

14:50 – 15:30

invited lecture

L. Suescun

Perovskite materials for SOFC cathodes. Tailoring of the crystal structure

15:30 – 15:50

B. Dabrowski

Study of highly oxygen deficient perovskite cathodes

15:50 – 16:10

K. Świerczek

Evaluation of various perovskite oxides as SOFC cathodes

16:10 – 16:30

M. Stodólny

Extent of $\text{La}(\text{Ni},\text{Fe})\text{O}_3$ stability in the presence of Cr species

16:30 – 17:00

coffee break

17:00 – 19:00

poster session

19:00 – 20:30

dinner

Day 2, Wednesday September 9th

9:00 – 9:40 <i>invited lecture</i>	J. Thomas <i>State-of-the-art MD simulation of PEMFC electrolytes</i>
9:40 – 10:20 <i>invited lecture</i>	P. Knauth <i>Physical chemistry of proton-conducting polymers</i>
10:20 – 10:50	W. Wieczorek <i>Studies of proton transport mechanism in gel polymeric electrolytes</i>
10:50 – 11:20	P.J. Kulesza <i>Development and activation of electrocatalytic systems for low-temperature fuel cells</i>
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11:20 – 11:40	coffee break
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11:40 – 12:10	M. Miller <i>Importance of thermochemical studies of the SOFC materials for the stack modelling</i>
12:10 – 12:30	M.M. Bućko <i>Microstructure of oxygen ion solid electrolytes</i>
12:30 – 12:50	M. Krauz <i>Preparation of electrolyte layer for AS-SOFC</i>
12:50 – 13:10	P. Tomczyk <i>Oxygen reduction at the interface M GDC (M = Ag, Au, Pt, GDC = Gadolinia Doped Ceria)</i>
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13:10 – 14:40	lunch
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15:00 – 18:00	excursion
19:00	banquet

Day 3, Thursday September 10th

9:00 – 9:40 <i>invited lecture</i>	A. Takasaki <i>Hydrogen storage systems for automotive application. The case of Japan</i>
9:40 – 10:00	S. Filipek <i>Hydrides of intermetallic compounds synthesized under high hydrogen pressure</i>
10:00 – 10:20	A. Czerwiński <i>Hydrogen diffusion in palladium-based alloys</i>
10:20 – 10:40	J. Kaleta <i>Safety aspects of hydrogen storage in high pressure vessels for automotive application</i>
10:40 – 11:00	coffee break
11:00 – 11:20	B. Głowacki <i>Sustainable LH₂ energy cycle</i>
11:20 – 11:40	T. Chmielniak <i>Determination of CO₂ emission in the process of hydrogen production through coal gasification</i>
11:40 – 12:00	J. Rogut <i>Thermochemical compression of hydrogen. Nanotechnology advances in hydrogen economy development</i>
12:00 – 12:30	Closing
12:30 – 14:00	lunch
