

2nd Cracow's meeting on concepts related to Energy

24 – 25 May 2016

Polish Academy of Sciences, Institute of Nuclear Physics,
Department of Structural Research
ul. Radzikowskiego 152, 31-342 Kraków, Poland

Speakers:

Didier Blanchard, DTU, Roskilde, Denmark

Andrzej Budziak, IFJ-PAN, Kraków, Poland

Tatsiana Burankova, PSI, Villigen, Switzerland

Radovan Cerny, University of Geneva, Switzerland

Henryk Figiel, AGH University of Science and Technology, Kraków, Poland

Yaroslav Filinchuk, Université catholique de Louvain, Belgium

Łukasz Gondek, AGH University of Science and Technology, Kraków, Poland

Hans Hagemann, University of Geneva, Switzerland

Ruben-Simon Kühnel, EMPA, Dübendorf, Switzerland

Nuria Lopez, ICIQ, Tarragona, Spain

Romain Yves Moury, University of Geneva, Switzerland

Peter Ngene, Utrecht University, The Netherlands

Ioannis Remediakis, University of Crete, Heraklion, Greece

Arndt Remhof, EMPA, Dübendorf, Switzerland

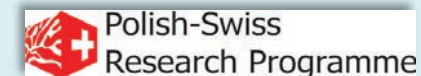
Yigang Yan, Aarhus University, Denmark; Empa, Dübendorf, Switzerland

24 May 9 :50 a.m. – 6 p.m.

25 May 9 a.m. – 1 p.m.

Sala Konferencyjna 1st floor

Free entrance



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24 May 2016

9:50 – 10:00	Opening Director IFJ-PAN
10:00 – 10:40	Radovan Cerny University of Geneva, Switzerland <i>Hydroborates Design supported by Crystal Chemistry Concept</i>
10:40 – 11:20	Yaroslav Filinchuk Université catholique de Louvain, Belgium TBA
11:20 – 11:40	coffee
11:40 – 12:20	Hans Hagemann University of Geneva, Switzerland <i>Relating structure and spectroscopic properties of borohydride species from BH_4^- to $B_{12}H_{12}^{2-}$.</i>
12:20 – 13:00	Arndt Remhof EMPA, Switzerland <i>Closing the sorption cycle in $Mg(BH_4)_2$ and $Ca(BH_4)_2$</i> Lunch
13:00 – 14:00	
14:00 – 14:40	Didier Blanchard DTU, Roskilde, Denmark <i>Li-S solid state batteries based on nanoconfined $LiBH_4$</i>
14:40 – 15:20	Peter Ngene Utrecht University, The Netherlands <i>Nanoconfined complex hydrides for energy storage applications</i>
15:20 – 16:00	Yigang Yan Aarhus University, Denmark; Empa Dubendorf, Switzerland <i>A new class of solid-state electrolytes with lithium ion conductivities near liquid electrolytes</i>
16:00 – 16:40	Ruben-Simon Kühnel EMPA, Switzerland <i>Aqueous electrolytes for supercapacitors</i> coffee
16:40 – 17:00	
17:00 – 17:40	Nuria Lopez ICIQ, Spain <i>Self-powered catalytic materials</i>
17:40 – 18:20	Ioannis Remediakis University of Crete <i>Modelling the shape and properties of gold nanoparticles</i>
19:30	Dinner

25 May 2016

9:00 – 9:40	Henryk Figiel AGH University of Science and Technology, Kraków, Poland <i>Research of hydrogen storage systems using neutrons</i>
9:40 – 10:20	Łukasz Gondek AGH University of Science and Technology, Kraków, Poland <i>Hydrogen-triggered phase transitions in Ti-Zr-Ni system.</i>
10:20 – 11:00	Andrzej Budziak IFJ-PAN, Kraków, Poland <i>Structural and magnetic changes in $REMn_2H_x$</i> coffee
11:00 – 11:20	
11:20 – 11:50	Romain Yves Moury University of Geneva, Switzerland <i>Synthetic approach for B_3H_8 anion and higher borane for solid electrolyte applications</i>
11:50 – 12:20	Tatsiana Burankova PSI, Switzerland <i>Dynamic Heterogeneity and Flexibility of the Alkyl Chain in Pyridinium-Based Ionic Liquids</i>
12:20 – 13:20	Lunch
14:30 – 19:30	Visit to salt mine in Bochnia

Location

Institute of Nuclear Physics PAN, ul. Radzikowskiego
152, Kraków

Sala Konferencyjna 1st floor, Main building

