

# Kyoto-Krakov Symposium on Materials Science

Tuesday, August 2, 2016  
Katsura Campus, A2-303

- 13:00-13:05 Opening remarks, Hiroshi Kageyama (Graduate School of Engineering, Kyoto University)
- 13:05-13:25 Andrzej Tytko (AGH UST Vice-Rector for Education)  
“Education in engineering at AGH UST”
- 13:25-13:40 Janusz Wolny (Physics and Applied Computer Science, AGH University of Science and Technology)  
“Average unit cell concept for structural description of aperiodic crystals”
- 13:40-14:05 Hiroshi Takatsu (Graduate School of Engineering, Kyoto University)  
“Quadrupole order and spin liquid states in the frustrated pyrochlore  $Tb_2Ti_2O_7$ ”
- 14:05-14:30 Cedric Tassel (Graduate School of Engineering, Kyoto University)  
“High pressure synthesis, structure, and properties of mixed anion perovskites”
- 14:30-14:45 Radoslaw Strzalka (Department of Condensed Matter Physics, AGH University of Science and Technology)  
“Statistical description of icosahedral quasicrystals”
- 14:45-15:00 Maciej Chodyn (Department of Condensed Matter Physics, AGH University of Science and Technology)  
“Generalized penrose tiling as a quasilattice for decagonal quasicrystals structure analysis”
- 15:00-15:15 Ireneusz Buganski (Department of Condensed Matter Physics, AGH University of Science and Technology)  
“New Approach to Phasonic Correction for Quasicrystals”
- 15:15-15:30 Break
- 15:30-15:50 Taito Murakami (Graduate School of Engineering, Kyoto University)  
“ $HfMnSb_2$ : A metal-ordered NiAs-type pnictide with a conical spin order”
- 15:50-16:10 Yuya Ikeuchi (Graduate School of Engineering, Kyoto University)  
“High pressure synthesis and electronic properties of tungsten bronze oxides”
- 16:10-16:30 Daichi Kato (Graduate School of Engineering, Kyoto University)  
“A stable oxyhalide photocatalyst  $Bi_4NbO_8Cl$  and its related compounds”
- 16:30-16:50 Krzysztof Wiczerzak (Department of Physical and Powder Metallurgy, AGH University of Science and Technology)  
“Microstructural evolution in rapidly solidified Fe-Cr-C alloy”
- 16:50-17:10 Sebastian Lech (International Centre of Electron Microscopy for Materials Science, AGH University of Science and Technology)  
“Investigation of phase in Allvac 718Plus and Inconel 718 superalloys by electron microscopy and tomography”
- 17:10-17:15 Closing remarks, Shinji Kawano (Kyoto University)
- 17:15 Free discussion, lab touring