Symposium title: Solid State Chemistry Potpourri in Kyoto

Date: March 11 (Tue), 12 (Wed)
Place: Katsura Campus, Kyoto University
A2 Bldg. Room A2-306 (3rd floor)
Directions to Katsura Campus
http://www.t.kyoto-u.ac.jp/en/access/katsura

March 11
10:15-10:20 Opening remark
10:20-10:50 Daisuke Kan (ICR, Kyoto Univ.)
   Control of structural distortions in transition-metal oxide films through
   interfacial octahedral connectivity
10:50-11:20 Masaki Azuma (TIT, Tokyo)
   Charge Glass in Perovskite PbCrO$_3$
11:20-12:00 John Wiley (Univ. New Orleans, USA)
   From Layers to Scrolls – Layer Construction and Peapod Formation through
   the Manipulation of Niobium Oxides
   (lunch)
13:30-14:00 Ryu Abe (Grad. Sch. Eng., Kyoto Univ.)
   Visible-Light-Responsive Photocatalysts for Solar Hydrogen Production
14:00-14:40 Ram Seshadri (UCSB, USA)
   The continuing puzzle of bismuth pyrochlores
14:40-15:00 Guillaume Builly (Grad. Sch. Eng., Kyoto Univ.)
   Transition-metal oxyhydride thin films
   (coffee break)
15:30-16:00 Toshiharu Teranishi (ICR, Kyoto Univ.)
   Charge separation in Type-II semiconductor heterodimers
16:00-16:40 Amparo Fuertes (ICMAB, Spain)
   Functional oxynitrides: photocatalysts, phosphors and CMR materials
16:40-17:10 Mikio Takano (iCeMS, Kyoto Univ.)
   BaFeO$_3$: Ferromagnetic Iron Oxide
   (banquet)
March 12
9:30-9:50 Masato Goto (Grad. Sch. Sci., Kyoto Univ.)
   Novel phase transitions in double perovskite fluorides A2BMF6 with multiple instability
9:50-10:20 Takafumi Yamamoto (Grad. Sch. Eng., Kyoto Univ.)
   Valence control of square planar coordinate iron oxides
10:20-11:00 Oliver Mentre (UCCS, France)
   New atypical low-D ferromagnetic oxides
11:00-11:30 Renzhi Ma (NIMS)
   Solution-based synthesis and function exploration of layered transition-metal hydroxides: Control of valence state and coordination geometry
11:30-12:00 Zenji Hiroi (Univ. Tokyo)
   Spinodal decomposition in the TiO2-VO2 system
(lunch)
13:30-14:00 Shoji Yamanaka (Hiroshima Univ.)
   Preparation and superconductivity of intercalation compounds of titanium nitride chloride TiNCl
14:00-14:40 Ken Poeppelmeier (Northwestern Univ., USA)
   Mixed Metal Oxide-Fluorides: Synthesis and Reactivity
   (coffee break)
15:10-15:40 Teruki Motohashi (Hokkaido Univ.)
   Structural chemistry of nonstoichiometric manganese oxides: redox property control for realizing oxygen-storage applications
15:40-16:10 Yutaka Ueda (JAEA / Kyoto Univ.)
   Materials development by controlling oxygen nonstoichiometry
16:10-16:15 Concluding remark