International School & Symposium on Multifunctional Molecule-based Materials

Argonne National Laboratory - March 13 to 18, 2011

Web: www.msd.anl.gov/ISSMMM/ email: blhall@anl.gov

Scope

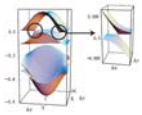
A major challenge for materials research is to harness the potential of emerging electronic and magnetic molecule-based systems in order to advance energy and information technologies. The goal of this conference is to equip young researchers with the tools and insights needed to make significant advances in this field. The program will consist of tutorial lectures, research talks, a poster session, and tours of Argonne's world-class research facilities.

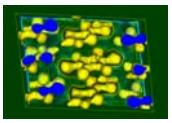
Topics of special interest include:

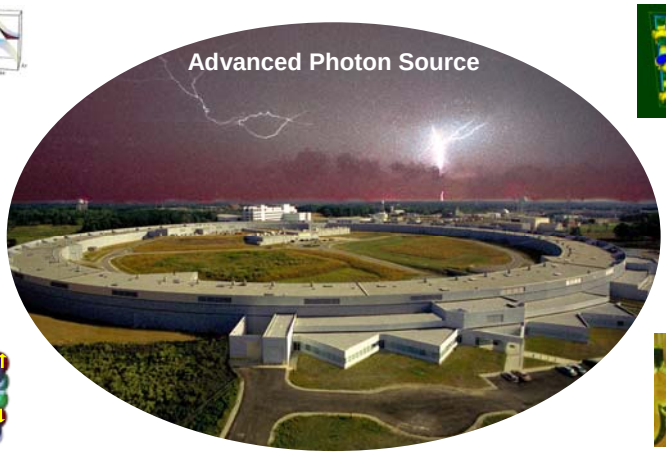
Molecule & material design
Multi-functionality
Molecular switching

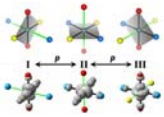
Response to external stimuli & extreme environments
Molecule-based magnets and conductors
Organic-based nanostructures and films

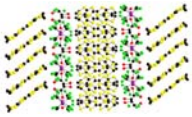
Spin-crossover
Photo-induced transformations
Synchrotron x-ray methods

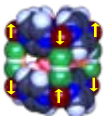












Confirmed Speakers

M. Almeida (Lisbon)
E. Bendeif (Nancy)
K. Boukhedaden (Versailles)
R. Clerac (Bordeaux)
S. Darling (ANL)
A. Epstein (Ohio St.)
P. Guionneau (Bordeaux)
S. Holmes (Missouri-St. Louis)
R. Kato (Riken)
M. Kurmoo (Strasbourg)
R. Makiura (Osaka)
M. Meisel (U. Florida)
S. Nakhmanson (Argonne)
F. Pointillart (Rennes)
M. Shatruk (FSU/NHMFL)
J. van Ruitenbeek (Leiden)
K. Yonemitsu (IMS)

J. Anthony (Kentucky)
S. Blundell (Oxford)
S. Brown (UCLA)
E. Collet (Rennes)
M. de Sousa (Frankfurt)
M. Firestone (Argonne)
R. Haddon (UC Riverside)
Y. Iwasa (Tokyo)
K. Kanoda (Tokyo)
K. Kuroki (UEC)
I. Malfant (Toulouse)
J. Miller (Utah)
J. Navoa (Barcelona)
K. Prassides (Durham)
Y. Suzumura (Nagoya)
J. Wallis (Nottingham)
V. Zaph (LANL)

K. Awaga (Nagoya)
M. Boillot (Paris)
M. Buron (Rennes)
K. Costuas (Rennes)
N. Drichko (Stuttgart)
R. Fishman (ORNL)
G. Halder (Argonne)
P. Jena (Virginia Commonwealth)
S. Koshihara (Tokyo)
P. Lahti (UMass)
J. Manson (EWU)
T. Mori (Tokyo)
S. Neville (CSIRO)
P. Rabiller (Rennes)
M. Tanatar (Ames)
X. Wang (ORNL)
S. Zvyagin (Dresden)

C. Batista (LANL)
C. Booth (LBNL)
O. Cador (Rennes)
N. Dalal (Florida St.)
T. Enoki (Tokyo)
P. Goddard (Oxford)
S. Hill (FSU/NHMFL)
K. Kaneto (Kyushu)
D. Krstovska (FSU/NHMFL)
R. Lefort (Rennes)
R. McDonald (LANL)
J. Musfeldt (Tennessee)
W. Nicolazzi (Toulouse)
P. Stephens (SUNY/BNL)
S. Uji (NIMS)
M. Yamashita (Tohoku)

Advisory Committee

J. Schlueter (Chair, ANL)
T. Enoki (Tokyo)
K. Kanoda (Tokyo)
K. Prassides (Durham)

J. Brooks (FSU)
S. Jiang (ANL)
T. Mori (Tokyo)
S. Uji (NIMS)

H. Cailleau (Rennes)
G. Halder (ANL)
J. Musfeldt (Tennessee)
M. Yamashita (Tohoku)

K. Chapman (APS)
D. Haskel (APS)
L. Ouahab (Rennes)
P. Zapol (ANL)

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Material Theory Institute (ANL), Materials for Energy Initiative (ANL), Physical Science and Engineering Directorate (ANL), X-ray Science Division (ANL), Florida State University – Physics, National High Magnetic Field Laboratory, International Center for Materials Research, CNRS, Molecular Degrees of Freedom Project (JSPS), Tokyo Institute of Technology, Université de Rennes 1, Bruker and EasyLab.