PROGRAM

Chair:	Toshihiro Tanaka (Osaka University)
9:30-9:40	Opening Address Tomoyuki Kakeshita (Osaka University)
9:40-10:05	"Integrated computational materials design: the metals frontier" Gregory B. Olson (Northwestern University)
10:05-10:30	"Kinetics of Martensitic Transformations Investigated by Magnetic Field" Tomoyuki Kakeshita (Osaka University)
10:30-10:40	Break
10:40-11:05	"Correlated Localized Surface Plasmon Resonance Spectroscopy and High Resolution Electron Microscopy" Laurence Marks (Northwestern University)
11:05-11:30	"Electronically-enhanced atomic processes in semiconductor nanoparticles" <i>Hidehiro Yasuda</i> (Osaka University)
11:30-13:00	Lunch Break
Chair:	Takayoshi Nakano (Osaka University)
13:00-13:25	"Teaching "Old" Materials "New" Tricks: Nanopatterning and Localized Properties of Multifunctional Oxides" Vinayak P. Dravid (Northwestern University)
13:25-13:50	"Operation of magnetic logic devices using small magnetic cells" <i>Ryoichi Nakatani</i> (Osaka University)
13:50-14:15	"Nanostructured or Nanoconfined Polymeric Materials with Unusual Glass Transition Behavior: Gradient Copolymers, Ultrathin Films and Polymer Nanocomposites" John M. Torkelson (Northwestern University)
14:15-14:35	Break
Chair:	Ryoichi Nakatani (Osaka University)
14:35-15:00	"Applications of Single-site Photocatalysts Designed Using Nanoporous Materials" <i>Hiromi Yamashita</i> (Osaka University)
15:00-15:25	"Bioengineering Single Crystal Growth" Derk Joester (Northwestern University)
15:25-15:50	"Evaluation and control of crystallographic alignment of apatite crystals in various bones" <i>Takayoshi Nakano</i> (Osaka University)
15:50-16:10	Break
Chair:	Toshihiro Tanaka (Osaka University)
16:10-16:35	"Computations and Experiments of Microstructural Evolution in Four Dimensions" Peter W. Voorhees (Northwestern University)
16:35-17:00	"δ/ phase transformation following solidification of Fe-0.44C steel" <i>Hideyuki Yasuda</i> (Osaka University)
17:00-17:10	Closing Address Peter W. Voorhees (Northwestern University)