

108th Seminar in Materials and Structures Laboratory
20th Soft Solution Processing Workshop

Friday, March 7, 2008
Tokyo Institute of Technology,
Suzukakedai Campus (R3- 1F 101)
Yokohama, Japan

Technical Program

- 13:00** Why Is the Soft Processing Important?
Masahiro YOSHIMURA, Tokyo Institute of Technology
- 13:30** Surface Engineered Nanocrystals and Nanocomposites for Functional Applications
Anwar AHNIYAZ¹⁾, Mashihiro YOSHIMURA²⁾, Yasuhiro SAKAMOTO³⁾, and Lennart Bergström³⁾
¹⁾Institute for Surface Chemistry (YKI), Sweden, ²⁾Tokyo Institute of Technology, Japan, ³⁾Stockholm University, Sweden
- 14:00** Bio-inspired Strategies for Self-assembly of Inorganic Materials and Inorganic-organic Hybrids with Complex Form
Shu-Hong YU, University of Science and Technology of China
- 14:30** Ultraviolet Laser Raman Spectroscopy Makes Very Hot Measurements - In situ Observation at High Temperatures up to 2000K
Hirotaka FUJIMORI¹⁾, Masatomo YASHIMA²⁾, Masato KAKIHANA³⁾, and Masahiro YOSHIMURA²⁾
¹⁾Yamaguchi University, Japan, ²⁾Tokyo Institute of Technology, Japan, ³⁾Tohoku University, Japan
- 15:10** - *Coffee break* -
- 15:30** Direct Fabrication of Ceramics Thin Film Patterns from Solution Precursor by Ink-Jet Deposition at Moderate Temperatures
Ruwan GALLAGE, Atsushi MATSUO, Takeshi FUJIWARA, Tomoaki WATANABE, Nobuhiro MATSUSHITA, and Masahiro YOSHIMURA
Tokyo Institute of Technology, Japan
- 16:00** Supercritical Hydrothermal Synthesis of Some Novel Materials
B. BASABALINGU¹⁾, M. YOSHIMURA²⁾, K. BYRAPPA¹⁾, P. MADHUSUDHAN¹⁾, H. N. GIRISH¹⁾, and S. VASUKI¹⁾
¹⁾University of Mysore, India, ²⁾Tokyo Institute of Technology, Japan
- 16:30** A General Overview of The Oxidant Peroxo Method (OPM) Used to Prepare Lead- based Perovskites with Flexible Compositions
Emerson R. CAMARGO, UFSCar-University Federal de São Carlos
- 17:00** Ammonothermal Synthesis of Nitrides
Tomoaki WATANABE¹⁾, LI Jinwang²⁾, Keisuke TAJIMA²⁾, Nobuhiro MATSUSHITA²⁾, and Masahiro YOSHIMURA²⁾
¹⁾Meiji University, Japan, ²⁾Tokyo Institute of Technology, Japan
- 17: 45** - *Mixer at SPOPA (Univ. Restaurant)* -

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