

Final Circular



2nd International Conference of Polyol Mediated Synthesis, The University of Shiga Prefecture, Hikone, Japan, July 11-13, 2016



The First International Conference on Polyol Mediated Synthesis (1st IC-PMS2014) held in University Paris Diderot, France, June 22-25, 2014 was successfully organized to provide a unique opportunity for discussing the leading – edge research and progress in the field of Polyol mediated Science and Technology. In the 2nd IC-PMS we plan to bring the pioneer researchers in the field of polyol/alcohol synthesis around the world and also researchers in the field of nanomaterial synthesis to appreciate and share the potential and the progress made in the recent past. And also, the conference will set the future targets to make polyol process “the process” for nanomaterial synthesis.

Conference Topics:

- Synthesis of Nanomaterials (nanoparticles/wires) using polyols/alcohols reduction technique,
- Control of morphology through controlled nucleation & growth in polyol/alcohol mediated synthesis,
- Real-time monitoring nanoparticle growth in polyol synthesis with in-situ techniques (for example, synchrotron x-ray scattering, spectroscopy, etc.)
- Multi-compositional, multi-functional hybrid nanomaterials synthesized through polyol process,
- Properties (magnetic, optical, catalytic ...) of polyol/alcohol mediated nanomaterials,
- Application of nanomaterials synthesized using polyol/alcohol mediated techniques in engineering & bio-medical applications

IMPORTANT DATES

Abstract Submission Opens 12th Dec., 2015, Abstract Submission Closes 12th Feb., 2016
Accept/Reject Notification 21th Mar., 2016, Early-bird Registration Closes 21st Apr., 2016

For Details:

**B. Jeyadevan, Conference Chair & T. Akiyama, Conference Secretary,
Univ. Shiga Pref., Japan**

email: ICPMS2016@mat.usp.ac.jp

<http://www.ic-polyol.org/>



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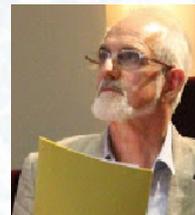


CONTRIBUTION FROM RENOWNED SCIENTISTS FOR POLYOL/ALCOHOL MEDIATED SYNTHESIS

PLENARY LECTURES



Prof. Naoki Toshima,
Tokyo University of Science Yamaguchi, Japan
“Creation of Novel Colloidal Metal Catalysts by Alcohol Reduction Method”



Prof. Fernand Fievet,
Université Paris Diderot, Paris, France
“The Polyol Process Thirty Years Later: A Historical Overview”

INVITED TALKS



Prof. Shouheng Sun,
Brown University, USA
“High Temperature Solution Phase Synthesis of Nanoparticles with Controlled Dimensions and Properties”



Prof. Yuji Wada,
Tokyo Inst. of Tech., Japan
“Microwaves-Controlled Nanostructures of Inorganic Particles and Films”



Prof. Claus Feldmann,
Karlsruhe Inst. of Tech. (KIT), Germany
“Polyol-mediated Synthesis of Nanoparticles Addressing Fluorescence and Solar Cells”



Prof. Michael Ruck,
Technische Universität Dresden, Germany
“Intermetallic Nanoparticles with Outstanding Properties by Microwave-Assisted Polyol Process”



Prof. Souad Ammar,
Univ. Paris Diderot, France
“From tailored polyol-made chalcogenide nanoparticles to advanced devices”



Prof. Katsuaki Suganuma,
Osaka University, Japan
“Polyol Synthesis of Metallic Nanomaterials for Wiring and Interconnection of Advance Electronics”



Dr. Yugang Sun,
Center for Nanoscale Mat., ANL, USA
“Revealing Nucleation/Growth kinetics of Polyol Synthesis of Ag Nanoparticles Using in-situ High-energy Synchrotron X-ray Scattering”

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TUTORIAL LECTURES

Dr. Katsuo Asakura, JEOL Ltd., Japan
“Recent advances in solid state NMR spectroscopy and their applications to nanomaterials”
Dr. Jun Tamura, JEOL Ltd., Japan
“Latest mass spectrometry technologies and their applications to nanomaterial analyses”
Dr. Takeyoshi Taguchi, Rigaku Corp., Japan
“Introduction to XAFS analysis for nanomaterial”