



Symposium J : Multifunctional Hybrid Materials and Nanocomposites: Development and Applications

Scope of the Symposium

Hybrid materials and inorganic and/or polymeric nanocomposites demonstrate great promise in addressing and offering solutions to key issues in the strategic priority areas of Composite, Energy, Environment and Human Health. Also, they enable integration, miniaturization and multi-functionalization of devices. The main objective of this symposium is to bring together, at a truly international level, researchers sharing interest in hybrid materials and their applications, including: ? Polymer chemists, physicists and engineers ? Biomaterials chemists, physicists and engineers ? Organic chemists ? Inorganic chemists ? Solid state chemists ? Sol-gel chemists ? Composites scientists ? Colloid chemists and physicists ? Zeolite, meso- and microporous materials scientists ? Broad nano- and materials scientists ? Bioscientists and biotechnologists

Abstracts will be solicited in (but not limited to) the following areas

- 1. Novel routes for the preparation engineering and processing of hybrid and polymeric composite materials; 2. Nanoparticles, nanotubes, quantum dots, nanocomposites; 3. Polymer processing; 4. Biohybrids, biomaterials and biological materials; 5. Function

Tentative list of invited speakers (To be confirmed)

Clement Sanchez (Sorbonne Universit) **Luis Liz Marzan** (CIC biomaGUNE, San Sebastin) **Veronica Zea Bermudez** (University of Trs-os-Montes e Alto Douro (UTAD)) **Sidney Ribeiro** (UNESP) **Xavier Cattoen** (Institut Neel CNRS) **Souad Ammar** (ITODYS, Universite de Paris) **Lavorgna Marino** (Institute of Polymer Composites and Biomaterials of NRC Italy) **Jean-Marie Raquez** (University of Mons) **Masahide Takahashi** (Institute of Physical and Theoretical Chemistry) .

Symposium Organizers

ANDREA SIMONE STUCCHI DE CAMARGO (IFSC/USP) **Roberta Brayner** (ITODYS, Universit de Paris) **Guilhermino Fechine** (Instituto Presbiteriano Mackenzie) **Galo Soler-Illia** (Instituto de Nanosistemas, Universidad Nacopnal de San Martn) **Sara Adalbe Bilmes** (INQUIMAE, Facultad de Ciencias Exactas, Universidad de Buenos Aires) **Eduardo Rezende Triboni** (EEL, USP, Lorena) .

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XIX Brazil MRS Meeting