



Symposium I : 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

- ? *Novel routes for the preparation of new hybrid and polymeric composite materials; engineering and processing of new or already existing materials. ? Nanoparticle and nanotubes ? Synthesis of quantum dots, colloids and nanocomposites ? Polymer processing*

Tentative list of invited speakers (To be confirmed)

LAVORGNA MARINO (*Institute of Polymer Composites and Biomaterials of National Research Council of Italy*) **Clement Sanchez** (*Collge de France*) **Luiz Liz Marzan** (*CIC biomaGUNE: San Sebastin, Basque Country, ES*) **Luca Malfatti** (*Universit degli Studi di Sassari*) **Xavier Cattoen** (*CNRS researcher of French National Centre for Scientific Research, Paris*) **Ulrich Wiesner** (*Cornell University, USA*) **Maria Vallet-Regi** (*Universidad Complutense de Madrid*) .

Symposium Organizers

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

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XIX Brazil MRS Meeting