

## ***Symposium T : Nanofibers, Applications and Related Technology***

### **Scope of the Symposium**

Nanofibers have become increasingly attractive, mainly because of their remarkable properties, highly porous structure and large surface-to-volume ratio, making them ideal for use in several applications. This symposium aims to provide a profitable environment for dissemination and discussion of projects and research related but not limited to the Development of new Functional Nanofibers, Design, Processing and Applications of Nanofibers, produced by different techniques, such as electrospinning, blow-spinning, rotating spinning, etc. The aim of this event is also to bring together students, scientists and researchers in academia and industry, in order to promote a greater interaction between research groups from different Universities and Companies, which work in the fields. It is thus expected that the symposium that strategically brings together researchers in related areas will provide a pleasant and rich discussion environment.

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

- *Technology innovations and trends*
- *Polymer composite functional nanofibers*
- *Progress on cellulose nanofibers*
- *Ceramic and metal nanofibers*
- *3D nanostructures and actuators*
- *Processing of Fibrous Materials*
- *Physical Properties and characterization of Nanofibers*
- *Modeling and Theoretical Considerations*
- *Surface Modification and Functionalization of Nanofibers*
- *Green materials and sustainability*
- *Applications of nanofibers including filtration and water remediation processes, biomedical applications, optoelectronics, food packaging, smart wearables and textiles, energy harvesting and storage, catalysis, sensor and actuators, controlled delivery sy*

### **Tentative list of invited speakers (To be confirmed)**

**Eliton Souto de Medeiros** (UFPB - Universidade Federal da Paraba) **Gilberto Siqueira** (EMPA - Swiss Federal Laboratories for Materials Science and Technology -Wood Laboratory) **Enzo Menna** (Universit di Padova ) **Ana Paula Serafini Immich Boemo** (Universidade Federal de Santa Catarina (UFSC)) **Antonella Macagnano** (Italian National Research Council | CNR ? Institute for Atmospheric Pollution IIA) **Hernane da Silva Barud** (Universidade de Araraquara (UNIARA)) **Vincius Lobosco** (Suzano Papel e Celulose) .

### **Symposium Organizers**

**Profa. Dra. Claudia Merlini** (Universidade Federal de Santa Catarina (UFSC)) **Prof. Dr. Cicero R. Cena** (Universidade Federal de Mato Grosso do Sul (UFMS)) **Prof. Dr. Deuber Lincon da Silva Agostini** (Universidade Estadual Paulista ?Jlio de Mesquita Filho? (UNESP)) **Profa. Dra. Roselena Faez** (Universidade Federal de So Carlos (UFSCar)) .

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