

## **Symposium C**

### **Title:**

Synthesis and Properties of Nanometric Materials

### **Scope:**

Nanoscience and nanotechnology cover areas of important scientific challenges bringing many new technological applications. In the area of nanomaterials, specifically, dimensions of particles determine the properties of these materials, changing its mechanical, optical, electrical and magnetic properties. In this sense, the present symposium will cover the synthesis of nanometric materials by different methods such as hydrothermal ones, mechanical alloying, Pechini, co-precipitation, combustion and others. Moreover, it will cover the evaluation of differential properties of these nanometric materials, as listed below:

### **Session Topics:**

- Synthesis of nanometric particles
- Synthesis of thin films
- Mechanical alloying
- Electrical properties of nanometric materials
- Magnetic properties of nanometric materials
- Optical properties of nanometric materials
- Mechanical properties of nanometric materials
- Catalytic properties of nanometric materials

### **Tentative List Invited Speakers:**

Valerie Bouquet, University of Rennes, France

Ernesto Antonio Urquieta Gonzalez, UFSCar, Brazil

Caue Ribeiro De Oliveira, EMBRAPA, Brazil

**Symposium organizers:**

Ary da Silva Maia, Federal University of Paraíba, Brazil

Carlos Alberto Paskocimas, Federal University of Rio Grande do Norte UFRN, Brazil

Fabiana Villela da Mota, Federal University of Rio Grande do Norte UFRN, Brazil

Maurício Roberto Bomio Delmonte, Federal University of Rio Grande do Norte UFRN,  
Brazil

**Scientific Committee:**

Alberthmeiry Teixeira de Figueiredo, UFG

Ana Paula de Moura, UNESP

Ana Flávia Nogueira, UNICAMP

Ana Paula A. Marques, UNIFESP

Andre Luiz Menezes de Oliveira, UFPB

Daniel Araujo de Macedo, UFPB

Elaine Cristina Paris, EMBRAPA

Fernando Henrique Cristovan, UNIFESP

Graziela Casali, UFSCar

Iêda Maria Garcia Santos, UFPB

Laecio Santos Cavalcante, UESPI

Marcia Tsuyama Escote, UFABC

Margarete Soares da Silva, UEMS

Maria Gardennia Fonseca, UFPB

Mario Junior Godinho, UFG

Márcia Rejane Santos da Silva, UFPB

Renata Cristina Lima, UFU

Sayonara Andrade Eliziário, UFSCar

Tania Regina Giraldo, UNIFAL

Tatiana Martelli Mazzo, UFSCar

Vinícius Dantas, USP