



## ***Symposium G : Photonics of Materials: Solar Cells, Photocatalysis, Luminescence and Physical Optics***

### **Scope of the Symposium**

This symposium aims at providing a forum for material scientists, chemists and physicists where to debate about the state of the art and the perspectives of the photonic materials. Both fundamental luminescence and photovoltaic properties and application oriented material investigations will be considered, including the theoretical and experimental mechanisms involved in nanometric scale properties and aspects related to surface modification related to optical phenomena. The symposium also aims to integrate the institutions and their research groups interested in the processing and applications of materials for photovoltaic devices, photo catalysis and optical physics like light emitters, photo detectors and multiple junction devices.

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

- *Solar Cells*
- *Photocatalyst*
- *Luminescence*
- *Physical optics*

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

**Carlos Graeff** (*Universidade Estadual Paulista*) **Mauricio Roberto Bomio Delmonte** (*Universidade Federal do Rio Grande do Norte*) **Adriano Friedrich Feil** (*PUC-RS*) **Mario Ernesto Giroldo Valerio** (*Universidade Federal de Sergipe*) **Srgio Carlos Zilio** (*Universidade de So Paulo*) **Arno Krenzinger** (*Universidade Federal do Rio Grande do Sul*) .

### **Symposium Organizers**

**Sergio da Silva Cava** (*Universidade Federal de Pelotas*) **Mario Lucio Moreira** (*Universidade Federal de Pelotas*) **Cristiane Wienke Raubach Ratmann** (*Universidade Federal de Pelotas*) **Pedro Lovato Gomes Jardim** (*Universidade Federal de Pelotas*) .

<https://sbpmat.org.br/18encontro>

**XVIII Brazil MRS Meeting**