



### **Symposium C: Electronic Materials**

#### **Scope of the Symposium**

*This Symposium will cover the fabrication and characterization of materials, interfaces, and devices ranging from advanced silicon technology to novel, unconventional systems. Contributions are welcome in both experimental and theory/simulation areas. Different classes of semiconductors (silicon, organic, wide band gap, high transfer channels etc.) and devices (high performance CMOS, discrete high power devices, flexible electronics etc.) will be addressed.*

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

- *Advanced materials in silicon technology*
- *Semiconductor surface passivation*
- *Organic semiconductors and devices*
- *Materials and devices for flexible electronics*
- *Wide band gap semiconductors and devices*
- *High transport channel materials*
- *Novel device structures*
- *Photo and electroluminescence*
- *Advanced materials for photovoltaics*
- *Nanostructured materials and nanoscale electronic devices*
- *Materials for "More than Moore" and "beyond CMOS" electronics*

#### **Tentative list of invited speakers:**

**S. Mantl** (Julich Research Center, Germany), **M. Quevedo-Lopez** (University of Texas at Dallas, USA), **D. M. Buca** (Jülich Research Center, Germany), **P. Kirsch** (SEMATECH, USA).

#### **Organizers:**

Cristiano Krug (Instituto de Física – UFRGS)

Cylon Gonçalves da Silva (CEITEC S.A.)

Antônio L. P. Rotondaro (Centro de Tecnologia da Informação Renato Archer)

Celso Pinto de Melo (Departamento de Física – UFPE)