



Symposium O : X Materials Microscopy Meeting (X MicroMat)

Scope of the Symposium

The Materials Microscopy Meeting (Micromat) is a traditional event supported by the Sociedade Brasileira de Microscopia e Microanálise (SBMM) and happens every two years. The X Micromat aims to bring together Brazilian researchers involved with classic and advanced microscopy techniques applied to materials science with the main focus on nanoscale or atomic structures. State-of-the-art microscopy techniques applied to materials science will be presented and discussed covering a wide range of materials, such as metallic, semiconductors, amorphous, ceramics. The event holds plenary sessions and lectures by experts in Transmission Electron Microscopy, Scanning and Ion Beam Electron Microscopy, X-Ray Microscopy, Scanning Probe Microscopy and Optical Microscopy. Participants are invited to submit abstracts for oral and poster presentations related to the topics below, applied to Materials Science. Abstracts are invited (but not limited) to the following areas:

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

- *Transmission Electron Microscopy (TEM)*
- *Scanning Electron Microscopy (SEM)*
- *Focused Ion Beam (FIB)*
- *X-Ray Microscopy (XRM)*
- *Scanning Probe Microscopy (SPM)*
- *Optical Microscopy (OM)*
- *Other Microscopy Technique*

Tentative list of invited speakers (To be confirmed)

Prof. Gilberto Medeiros Ribeiro (*Instituto de Ciências Exatas, UFMG*) **Prof. Dr. Angus Kirkland** (*Department of Materials, University of Oxford*) **Prof. Dr. Raul Arenal** (*Instituto de Nanociencia de Aragon, University of Zaragoza*) .

Symposium Organizers

Dr. Jefferson Bettini (*LNNano-CNPq*) **Prof. Dr. Rodrigo Prioli** (*Departamento de Física, Pontifícia Universidade Católica do Rio de Janeiro (PUC-Rio)*) **Prof. Dr. Sidnei Paciornik** (*Departamento de Engenharia Química e de Materiais, Pontifícia Universidade Católica do Rio de Janeiro (PUC-Rio)*) **Prfa. Dra. Paula Mendes Jardim** (*COPPE/POLI - UFRJ*) **Prof. Dr. Daniel Baptista Lorscheiter** (*Instituto de Física - UFRGS*) .

<https://sbpmat.org.br/19encontro>

XIX Brazil MRS Meeting