

“Materials for Flexible Electronics, Smart Surfaces and Sensing”

Sunday, April 14th 2019, Rectorate of Universidade NOVA de Lisboa

Programme

- 09.30** Reception of participants and welcome address
- 10.00** “Cellulose on printed electronic devices”, Luis Pereira (University NOVA of Lisbon, Portugal)
- 10.30** “Printed and flexible electronics”, Ari Alastalo (VTT, Finland) **tbc**
- 11.00** “Sensors and Actuators Based on Cellulose Nanocrystals”, Wadood Hamad (FPInnovations, Canada)
- Break and posters discussion***
- 12.00** “Skin like sensors”, Aaron Mazzeo (Rutgers University, USA)
- 12.30** “Transparent conductive metal/oxide networks”, João Resende (Grenoble Institute of Technology | Grenoble INP)
- 13.00-14.00** ***Lunch and posters discussion***
- 14.00** “Oxide transistors and circuits”, Pedro Barquinha (University NOVA of Lisbon, Portugal)
- 14.30** “Oxide nanostructures for photocatalytic applications”, Vassilis Binas (FORTH, Greece)
- 15.00** “Oxides nanostructures for sensing”, Elisabetta Comini (Brescia University, Italy)
- Break and poster discussion***
- 16.00** “*Functional Oxide Coatings in Green Buildings: Smart Windows, Sensors, and Catalytic Surfaces*”, Lars Osterlund (Uppsala University, Sweden)
- 16.30** “Flexible oxide and hybrid electronics and integration”, Feras Alkhalil (Pragmatic IC, UK)
- 17.00** Round table
- 17.30** Closing remarks



Functional Materials Division

Aim and Objectives – This school is aimed to provide an overview and promote knowledge exchange on cutting-edge topics in the fields of functional materials for flexible electronics, smart surfaces and sensors. This will be a one-day science school where the latest advances and new concepts in these fields will be shared and discussed in a stress-free atmosphere, before the official kick-off of MATERIAIS 2019.

Topics - The school program includes tutorial presentations by prominent experts in the field of functional materials, going from their conception, production up to their integration into devices and systems. During the afternoon the program includes an open debate and general sum up session with all the participants.

Target audience - This school is targeted at PhD students with various backgrounds (Nanotechnologies, Materials Science, Electrical Engineering, Physics and Chemistry) but also Master Students already preparing their thesis. Of course, high level researchers and participants from industry are also welcome. Students participating in the school are encouraged to submit a poster that will be displayed during the entire day, where they can present and promote their work if in some form related to the school's topics. During coffee breaks and lunch there will be time for informal poster discussion.

Location - The school will be held at the Rectorate of Universidade NOVA de Lisboa, Campus de Campolide, 1070-312 Lisboa

Registration: <http://www.materiais2019.pt/registration/>

Registration fees for SPM/FEMS associates will apply to TCM NET members

For poster submission to the school and more information: info@materiais2019.pt

Organizing committee: Luis Pereira and Pedro Barquinha



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