



# MATERIAIS 2019



TCM-NET SCHOOL ON

“MATERIALS FOR FLEXIBLE ELECTRONICS, SMART SURFACES AND SENSING”

@RECTORATE OF UNIVERSIDADE NOVA DE LISBOA, SUNDAY, APRIL 14<sup>TH</sup>

## 09.00 REGISTRATION

## 09.45 WELCOME ADDRESS

### 10.00 PROF. LUÍS PEREIRA (NOVA UNIVERSITY OF LISBON, PORTUGAL)

*TITLE: “CELLULOSE ON PRINTED ELECTRONIC DEVICES”*

### 10.30 PROF. ARI ALASTALO (VTT, FINLAND)

*TITLE: “PRINTED AND FLEXIBLE ELECTRONICS”*

### 11.00 PROF. WADOOD HAMAD (FPINNOVATIONS, CANADA)

*TITLE: “SENSITIVE AND CONDUCTIVE NANOCELLULOSE FILMS”*

## BREAK & POSTERS DISCUSSION

### 12.00 PROF. AARON MAZZEO (RUTGERS UNIVERSITY, USA)

*TITLE: “SKIN LIKE SENSORS”*

### 12.30 PROF. JOÃO RESENDE (GRENOBLE INSTITUTE OF TECHNOLOGY | GRENOBLE INP)

*TITLE: “TRANSPARENT CONDUCTIVE METAL/OXIDE NETWORKS”*

## 13.00 - 14.00 LUNCH & POSTERS DISCUSSION

### 14.00 PROF. PEDRO BARQUINHA (NOVA UNIVERSITY OF LISBON, PORTUGAL)

*TITLE: “OXIDE TRANSISTORS AND CIRCUITS”*

### 14.30 PROF. VASSILIS BINAS (FORTH, GREECE)

*TITLE: “OXIDE NANOSTRUCTURES FOR PHOTOCATALYTIC APPLICATIONS”*

### 15.00 PROF. ELISABETTA COMINI (BRESCIA UNIVERSITY, ITALY)

*TITLE: “OXIDES FOR SENSING AND CATALYSIS”*



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## BREAK & POSTERS DISCUSSION

### 16.00 PROF. LARS OSTERLUND (UPPSALA UNIVERSITY, SWEDEN)

*TITLE: "FUNCTIONAL OXIDE COATINGS IN GREEN BUILDINGS: SMART WINDOWS, SENSORS, AND CATALYTIC SURFACES"*

### 16.30 PROF. FERAS ALKHALIL (PRAGMATIC IC, UK)

*TITLE: "REINVENTING ELECTRONICS FOR A FLEXIBLE WORLD"*

### 17.00 ROUND TABLE

### 17.30 CLOSING REMARKS

## ORGANIZATION:



FUNCTIONAL MATERIALS DIVISION



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**AIM AND OBJECTIVES** – TCM-NET GRADUATION 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** - TCM-NET GRADUATION 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** - TCM-NET GRADUATION 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** - TCM-NET GRADUATION 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](mailto:info@materiais2019.pt)

**ORGANIZING COMMITTEE:** LUIS PEREIRA AND PEDRO BARQUINHA



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