



SUMMER SCHOOL

Évènements / mars 7, 2023

L'EUR LUMOMAT lance sa première SUMMER SCHOOL « **Sustainable strategies for Organic Electronics** » qui aura lieu à Angers du 26 au 30 juin 2023.

« The field of organic electronics continues to advance at a rapid pace towards the next generation of electronics. This development requires new organic materials to act as semiconductors, in particular for the fabrication of organic field effect transistors (OFETs), organic light emitting diodes (OLEDs) thermoelectric devices (TE) and organic photovoltaic devices (OPVs). Alongside the increase in performance, the area of sustainability is becoming crucial due to increasingly stringent health and safety regulatory measures. Efforts to integrate sustainable practices into organic electronics research and technology have started to become evident. For example, the efficient synthesis of materials that meet the criteria of green chemistry for clean and low-carbon synthesis should play a key role in this development. In addition, efforts must be made to incorporate materials from renewable resources into devices for a sustainable approach in terms of energy consumption and waste disposal, compared to conventional methods. The aim of this Summer School is therefore to stimulate discussion on the subject of sustainable organic electronics by bringing together internationally recognised experts in their field of expertise. »



SUMMER SCHOOLS

FACULTY OF SCIENCE
UNIVERSITY OF
ANGERS, FRANCE

*Share your knowledge
with international
researchers and students
from different countries
and cultures.*

JUNE 26th-30th

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SUSTAINABLE STRATEGIES IN ORGANIC ELECTRONICS

EUR LUMOMAT

MONDAY 26th

- 08h00** Welcome, coffee and presentation of the Summer School
- 08h45** **Assunta MARROCCHI - Perugia University (Italy)**
Introducing organic electronics: key materials, processes and devices - 2h
- 11h00** **Mario LECLERC - Université Laval, Québec (Canada)**
New Polymerization Methods for Conjugated Polymers - 2h
- 14h30** **Jérôme CORNIL - Mons University (Belgium)**
Charge transport in organic semiconductors : A joint experimental and theoretical view - 2h
- 17h30** Opening ceremony and cocktail reception

TUESDAY 27th

- Welcome and coffee **08h30**
- Anne BLAYO - Grenoble INP Pagora (France)** **08h45**
Why printing processes are part of sustainable strategies in the context of organic electronics - 2h
- Martin BRINKMANN - Université de Strasbourg (France)** **11h00**
Insight into the structure and crystallization of semi-conducting and conducting polymers using Transmission Electron Microscopy - 2h
- Yuning LI - Univ. Waterloo (Canada)** **14h30**
Polymer semiconductors for organic field effect transistors - 2h

WEDNESDAY 28th

- 08h30** Welcome and coffee
- 08h45** **Matthieu MANCEAU - CEA Grenoble (France)**
Perovskite-based solar cells, state-of-the-art & current development towards sustainable applications - 2h
- 11h00** **Gregory WELCH - Calgary University (Canada)**
Organic Conjugated Materials for Printed Solar Cells: Design, Synthesis, and Application - 2h
- 14h30** **Loren KAAKE - Simon Fraser University (Canada)**
Understanding solar cells: mechanisms and detailed balance in organic photovoltaic devices - 2h

THURSDAY 29th

- Welcome and coffee **08h30**
- Joseph CAMERON - Glasgow University (UK)** **08h45**
Approaches for improving the sustainability of OLEDs - 2h
- Jean-François MORIN - Université Laval, Québec (Canada)** **11h00**
Carbon Nanomaterials for Organic Electronics - 2h
- Workshop, Flash presentation and Poster session **14h30**

FRIDAY 30th

- 08h30** Welcome and coffee
- 08h45** **Francesca BRUNETTI - Roma University (Italy)**
New generation flexible printed photovoltaics - 2h
- 11h00** **Charline ARRIVE - ASCA (France)**
Challenge for OPV industrialization - 1h
Maira ASSES - ASCA (France)
Welcome to an era where energy meets beauty - 1h
- 14h00** **Assunta MARROCCHI - Perugia University (Italy)**
Processing high-performing organic electronics from green solvents - Key challenges, strategies, and tools - 2h
- 17h30** Diploma ceremony and closure

Les inscriptions se font directement ici: <https://summerschools.univ-angers.fr/en/summer-schools/sustainable-strategies-in-organic-electronics.html>

Les doctorants dépendant d'un des 4 laboratoires du réseau LUMOMAT (MOLTECH Anjou, IMN, CEISAM et ISCR) doivent se rapprocher de l'organisateur sur place avant de s'inscrire: [Olivier Galangau](#) pour l'ISCR, [Piérick Hudhomme](#) pour MOLTECH Anjou, [Stéphane Diring](#) pour l'IMN et le CEISAM.

Les inscriptions sont ouvertes jusqu'au 10 avril 2023. Pour plus d'informations, vous pouvez contacter [Noémie Barbot](#).