



Région Hauts-de-France



The Sixth International Symposium on Dielectric Materials and Applications **ISyDMA'6** Calais – France, December 15-17, 2021



Organized by

University of Littoral-Côte d'Opale, Calais, France
in cooperation with

University of Artois, Lens, France
Hauts de France Polytechnic University, Maubeuge,
France

University of Picardy Jules Verne, Amiens, France
Moroccan Association of Advanced Materials
Moroccan Society of Applied Physics

Website : <https://isydma6.univ-littoral.fr/>
Email : isydma6@univ-littoral.fr
<https://web.facebook.com/ISyDMASymposium>
<https://youtube.com/channel/UCQK92VqFHkq9IQMIEofJuw>

The aim of ISyDMA'6 is to provide an international forum for the discussion of current research on dielectric materials and applications, such as electrical insulation, dielectric phenomena and related topics. The scope of the ISyDMA'6 includes all topics related to dielectric materials and their applications:

Section 1 : Dielectric materials for electronics and photonics

- Dielectric, piezoelectric, pyroelectric, ferroelectric and multiferroic materials
- Ceramics, thin films, polymers, glasses, composites and nanostructures
- Impedance spectroscopy to electrochemical and dielectric phenomena
- Physics of space charge in non-conductive materials
- Dielectric properties, polarization phenomena and applications
- Surface and interfacial phenomena.
- Physics of space charge in non-conductive materials
- Space charge and its effects in dielectrics.
- Advanced characterization.
- Modeling and theory.
- Applications of multiferroics

Section 2 : Applications of insulators

- High voltage insulation design using computer; based analysis
- Partial discharges in insulation: detection methods and impact on ageing
- Monitoring and diagnostic methods for electrical insulation degradation
- Electrical insulation in high voltage power equipment and cables
- Ageing, partial discharges and life expectancy of HV insulation
- Electrical conduction and breakdown in dielectrics liquids
- Gaseous electrical breakdown and discharges.

Section 3 : Dielectric devices for biotechnological and industrial applications

- Biodielectrics for environmental applications and bioengineering systems
- Biomedical engineering
- Tunable microwave devices
- Electrical energy storage, supercapacitors, electrostatic capacitors, electrolyzers, batteries
- Electrical energy generation, Solid Oxide Fuel Cell
- Nanodielectrics for Industrial applications
- Dielectrics for superconducting applications
- Measurement techniques
- Electrocaloric materials, Thermoelectrics, Photovoltaics

Section 4 : Emerging materials and devices

- Metamaterials
- Nanocomposite dielectric polymers
- New diagnostic applications for dielectrics
- New and functional dielectrics for electrical systems
- Topological insulators
- Composite materials
- Other related dielectric phenomena and techniques.

Venues

ISyDMA'6 will take place on December 15-17, 2021 at the University of Littoral-Côte d'Opale, Calais-France.

Location: Centre Universitaire de la Mi-Voix, 50 rue Ferdinand Buisson 62100 Calais, France.
www.univ-littoral.fr



Pre-Conference School: International Summer School on Advanced Materials for Energy (ISSAME) will be held at the Technology University Institute of Littoral-Côte d'Opale on December 13-14, 2021



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Registration

The registration fees should be paid by:

-Bank check payable to "M. L'Agent comptable de l'Université du Littoral-Côte d'Opale".

-Bank transfer to the account of ULCO :

IBAN : FR76 1007 1590 0000 0010

BIC : TRPUFRP1

-Purchase order to the ULCO

-Secure online payment (via ISyDMA'6 website)

Please make sure to send a scanned copy of the proof of payment by email to the conference address: isydma6@univ-littoral.fr

ISyDMA'6 Registration fees

	June 15 -October 15	October 16 -November 30
Academic	400	550
Student	150	250
Industrial	450	650
Accompanying Person	150	200

Publication

Authors of accepted presentations at the ISyDMA'6 Conference are invited to submit their full manuscripts for publication reviewed as journal articles. All submitted articles must be written in English only, and should report original, previously unpublished research results, experimental or theoretical, and will be peer-reviewed. Articles submitted to the conference should meet these criteria and must not be under consideration for publication elsewhere.

Paper Submission Date: December 25, 2021

Important dates

Opening of abstract submission: March 15, 2021
 Closing of abstract submission: September 10, 2021
 Notification of acceptance: June 30, July 31 and September 30, 2021
 Opening of the registration: June 15, 2021
 Closing of the early bird registration: October 15, 2021
 Closing of the late registration: November 30, 2021
 ISyDMA'6 Preconference (ISSAME): December 13-14, 2021
 ISyDMA'6: December 15-17, 2021
 Full paper submission for publication: December 25, 2021





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