



Fifth Symposium on Dielectric Materials and Applications

IS_yDMA ISyDMA'5

Organized by
Cadi Ayyad University, Marrakech
Faculty of Sciences Semlalia, Marrakech
Moroccan Society of Applied Physics
Moroccan Association of Advanced
Materials

April 15-17, 2020
Sciences Faculty Semlalia, Marrakech-Morocco

**Fifth International Conference on
Advanced Dielectric Materials and their
Applications**

ISyDMA'5

Marrakech- Morocco

April 15-17, 2020



Organized by

Cadi Ayyad University, Marrakech

Faculty of Sciences Semlalia, Marrakech

Moroccan Society of Applied Physics

Moroccan Association of Advanced Materials (A2MA).

In cooperation with:

Ibn Tofail University, Kenitra, Morocco

Soltan Moulay Sliman University, Beni Mellal, Morocco

University of Miami, Florida, USA

Ibn Zohr University, Agadir, Morocco

Organizers & Partners

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	Sciences Faculty, Sfax University, Tunisia



Venue

The conference ISyDMA'5 will be held at the Faculty of Sciences Semlalia (FSSM), Cadi Ayyad Univeristy .

Address: Boulevard Prince My Abdellah, B.P. 2390, 40000 Marrakech, Morocco.

Contacts

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Welcome message

The fifth edition of International Symposium on Dielectric Materials and Applications (ISyDMA) is a follow-up to the highly successful four editions of ISyDMA, ISyDMA 1 (Rabat-Kenitra, Morocco, 4-6 May 2016), ISyDMA 2 (Bucharest, Romania, 11-14 July 2017) and ISyDMA 3 (Beni Mellal, Morocco, 18-20 April 2018), and ISyDMA 4 (Amman, Jordan 2-4 May 2019). This event will be held in Marrakech, Morocco from 15 to 17 April, 2020 which will be organized by Cadi Ayyad University and Sciences Faculty Semlalia, Marrakech, Morocco in cooperation with Moroccan Society of Applied Physics and Moroccan Association of Advanced Materials (A2MA).

The ISyDMA 5 event will provide an international forum for reporting the recent developments in advanced dielectric materials and applications. It consists of technical sessions, keynote and tutorial sessions covering several hot topics in dielectric materials advances. The goal of the ISyDMA 5 Symposium is to provide a platform for researchers, scientists from all over the world to exchange ideas and to hold wide ranging discussions on recent developments in dielectric materials and their innovative applications. It is addressed to materials scientists, physicists, chemists, biologists, and electrical engineers engaged in fundamental and applied research or technical investigations on such materials.

This meeting will undoubtedly stimulate better contacts between PhD students, novices and experienced from around the world and creators of a new space and new opportunities to strengthen or initiate new international and multilateral collaborations. The conference will include plenary lectures, guest lectures, oral and poster contributions.

Due to the success of the tow Pre-Conference School; Moroccan Spring School on Advanced Materials MoSSAM'1 (Marrakech, Morocco April 15-17, 2018), MoSSAM'2 (Rabat, Morocco June 24-25, 2019) and ISyDMA 4 Pre-Conference School on Advanced Materials (Irbid, Jordan, April 30 and May 1, 2019), we proudly present our call for the third Pre-Conference, MoSSAM'3 which will be held from 12 to 14 April, 2020, at Polydisciplinary Faculty, University Ibnou Zohr, Ouarzazate, Morocco. . The scope of this Spring School is to familiarize students with the state of the art in advanced materials for different applications. The target audience for the Pre-Conference School is graduate students and junior researchers (PhD students, postdocs).

In addition to the scientific program of these two events, numerous social events are also programmed to accompany and follow the scientific activities that will provide opportunities to renew old contacts and establish new ones. The social program will be extraordinary, reflecting the Moroccan sense of hospitality and generosity combined with fun, for the participants and their companions.

We look forward to seeing you in Marrakech-Ouarzazate, Morocco.

Chair committee

Scope and Topics

The aim of ISyDMA'5 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'5 includes all topics related to dielectric materials and their applications:

A: Solar energy Materials.

B: Dielectric properties, polarization phenomena and applications – physics of space charge in non-conductive materials – polymers, composites, ceramics, glasses – biodielectrics – nanodielectrics, metamaterials, piezoelectric, pyroelectric and ferroelectric materials.

C: Impedance spectroscopy applications to electrochemical and dielectric phenomena.

D: Dielectrics for superconducting applications – industrial and biomedical applications – dielectric materials for electronics and photonics – new diagnostic applications for dielectrics – new and functional dielectrics for electrical systems – electrical conduction and breakdown in dielectrics – surface and interfacial phenomena.

E: Electrical insulation in high voltage power equipment and cables – ageing, partial discharges and life expectancy of hv insulation – space charge and its effects in dielectrics. Gaseous electrical breakdown and discharges.

F: 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. Measurement techniques. Modeling and theory.

G: In addition to other related dielectric phenomena and techniques.

Important dates

Abstract submission period	January 10th, 2020
Notification of acceptance	January 20th, 2020
Payment deadline	March 15th, 2020
ISyDMA'5 days	April 15th - 17th, 2020
Full paper submission for publication	June 30th, 2020

Please note

- Technical Sessions having Invited Lectures by eminent scientists.
- Oral presentations: English or French. Abstracts, posters, power point slides and full texts: English
- Presentation (Oral/Poster) of contributory papers.
- Awards for the best poster and oral Presentations.
- Panel discussion.
- Accepted abstracts, of oral or poster presentations, will be included in the abstract book.
- The full text of accepted communications can be submitted for publication in a Journal issue dedicated to the ISyDMA'5, following the usual peer reviewing procedure. The selected Journal and details of submission will be given on the website.

We are pleased to offer the opportunity to be a sponsor of ISyDMA'5; we'll be happy to negotiate with you on the best way we can collaborate to make ISyDMA'5 a success. Please contact:

isvdma-conference@uit.ac.ma

Outline of Conference Program

Wednesday, April 15, 2020				Registration	Opening Conference 1	Conference 2
Thursday, April 16, 2020	Conferences 3-4	Oral presentations		Conferences 5-7	Poster Presentations (Session A)	Gala dinner
Friday, April 17, 2020	Conferences 8-9	Poster Presentations (Session B)	Oral presentations	Conferences 10-12	Awards & Closing	
Saturday, April 18, 2020	Excursion to Essaouira					

Registration Fees/Payment

Registrant	Before 15 March	After 15 March
Academic	300 €	350 €
Student	200 €	250 €
Industrial	400 €	450 €
Accompanying Person	100 €	150 €

ISyDMA History

ISyDMA'5: Marrakech, Morocco, 15-17 April 2020

MOSSAM'3: Ouarzazate, Morocco, 12-14 April 2020

MOSSAM'2: Rabat, Morocco, 24-25 June 2019

ISyDMA'4: Amman, Jordan, 2- 4 May 2019

ISyDMA'4 Pre-Conf. School: Irbid, Jordan, April 30 and May 1, 2019

ISyDMA'3: Beni Mellal, Morocco, 18-20 April 2018



MOSSAM'1: Marrakech, Morocco, 15-17 April 2018

ISyDMA'2: Bucharest, Romania, 11-14 July 2017

ISyDMA'1: Rabat-Kenitra, Morocco, 4-6 May 2016



List of Speakers

	<p>Dr. COSTA Luis Cadillon University of Aveiro, Portugal</p>		<p>Dr. Yasuo Cho, Tohoku University, Japan</p>
	<p>Dr. CURRI Maria Lucia CNR- Institute for Physical and Chemical, University of Bari, Italy</p>		<p>Dr. Hiroyuki Odagawa Tohoku University Kumamoto Japan</p>
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	<p>Dr. Roger M. Leblanc University of Miami FLorida USA</p>		<p>Dr. POPOV Cyril University of Kassel, Germany</p>
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