



HELLENIC REPUBLIC  
**National and Kapodistrian  
University of Athens**  
— EST. 1837 —

**10th International Conference on  
Material Science &  
Smart Materials  
“MSSM 2024”  
Hybrid Conference**

Materials Science



**May 15-17, 2024  
National and Kapodistrian  
University of Athens**

**2<sup>nd</sup> CALL FOR PAPERS**

### Introduction

The purpose of this conference on Materials Science and Smart Materials is to provide a forum for both researchers and practitioners around the world to present papers on recent developments in the fields of Materials Characterisation, Design, Development, Manufacturing and Application.

The conference will provide a forum for presenting research papers by internationally recognised experts and young scientists working in the field of Materials Science and Smart Materials.

The organising committee of the conference invites papers from researchers and practitioners from academic as well as industry within the scope of the conference subjects.

### Scope

The conference particularly welcome papers related to industrial based projects. Papers dealing with one or more of the following topics will be considered for the conference:

- Metallic Materials
- Ceramics / Glassy Materials
- Composite Materials
- Polymeric Materials
- Electronic Materials
- Biomaterials
- Fundamental Materials Science
- Materials Applications, Performance and Life Cycle
- Materials Property and Characterization
- Nanostructured Materials
- Sensors and structural identification
- Active polymers, materials and actuators
- Smart Biomaterials and Bioinspired Smart Materials and Systems
- Energy Storage Materials and Energy Harvesting
- Quantum Materials and Metamaterials
- Piezoelectrics and Piezomagnetism
- 3D Printing and Smart Coatings and Surfaces
- Magnetic Materials and Smart Materials for Specific Applications
- Smart Materials in Robotics
- MEMS and structural control and Active materials in MEMS applications

- Vibration and shape control
- Adaptive crashworthiness
- Compliant materials and mechanisms
- Multifunctional composite design, modelling and optimization
- Materials for energy storage and Fuel Cells
- Transforming the Foundation Industries (FIs): special symposium on critical issues for sustainability in FIs

### Publication:

Accepted papers will be published at:



## Sessions, Workshops and Symposiums

MSSM2024 welcome you to suggest or organise Sessions, Workshops and Symposiums.

### Submission of Abstracts

Interested contributors are requested to submit abstract(s) of up to 200 words to the email below.

### Conference Coordinator

Dr Marialuisa Acquaviva

### Co-Chairs

Prof. Vassilis Stathopoulos  
Prof Abdul Ghani Olabi  
Prof Hussam Jouhara

### Local Organising Committee

Prof. Christiana Mitsopoulou  
Assist. Prof. Maria Koukou  
Assist. Prof. Eleftherios Tsampasis  
Dr. Polykarpos Falaras  
Dr. Paraskevi Nanou

### International Advisory Committee:

Prof Abdul Ghani Olabi (UAE)  
Prof Hussam Jouhara (UK)  
Prof. Vassilis Stathopoulos (Greece)  
Prof. Luca Montorsi (Italy)  
Prof. Polykarpos Falaras (Greece)  
Prof. Christiana Mitsopoulou (Greece)  
Prof Kai Cheng (UK)  
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Prof Michele Dasissti (Italy)  
Prof Jifeng Liu (USA)  
Dr Zhentao Wu (UK)

Prof Paulo Davim (Portugal)  
Prof Des Gibson (UK)  
Prof Socrates Kaplanis (Greece)  
Prof Susmita Bose (USA)  
Prof Paul D. Topham (UK)  
Prof Eric Dimla (Australia)  
Prof Tofail Syed (Ireland)  
Prof Saiful Amri Mazlan (Malaysia)  
Prof. Mohammad Ali Abdelkareem (UAE)  
Prof. Abdul Hai Al-Alami (UAE)  
Dr Michal Mazur (Poland)  
Prof Izwan Ismail (Malaysia)  
Prof Xiuhua Fu (China)  
Prof Chaoyang Shi (China)  
Dr Peng Qi (China)  
Dr Anzhu Gao (China)  
Prof Stefano Cordiner (Italy)  
Prof Osama Basmage (Ireland)  
Dr Alojz Buhvald (Slovenia)  
Prof S. Orhan Akansu (Turkey)  
Prof David Kennedy (Ireland)  
Prof Zhiyuan Liu (China)  
Prof Fouad Al-Mansour (Slovenia)  
Prof Francesco Di Maria (Italy)  
Prof Luigi Alloca (Italy)  
Prof Abderrahmane Hamidat (Algeria)  
Dr Danijela Urbancl (Slovenia)  
Dr Khaled Benyounis (Ireland)  
Prof. Christoph Pfeifer (Austria)  
Dr Rafat Al Afif (Austria)  
Prof A.M.Hamoda (Qatar)  
Prof Mohamad Ramadan (Lebanon)  
Dr Cristina Rodriguez (UK)  
Dr A Baroutaji (UK)  
Dr Tabbi Wilberforce (UK)  
Prof Richard Yongqing Fu (UK)  
Prof Susmita Bose (USA)  
Prof Amit Bandyopadhyay (USA)  
Dr Sulaiman Almahmoud (UK)

## The venue

The conference is Located approximately 800m from the centre of Athens (Syntagma Metro station) and about 300m from Panepistimio Metro station.

The central building of the University of Athens, known as Propylaia, is one of the most emblematic landmarks of the capital city of the Greek state. The neoclassical building and its monumental precinct bring up the most acknowledged highlights of Greek national history. The halls of the building were learning, conversing and protest spots.

### Important Dates:

Receipt of abstracts	<b>01/04/2024</b>
Notification of abstract acceptance	<b>10/04/2024</b>
Receipt full paper	<b>10/05/2024</b>
Conference	<b>15-17/05/2024</b>

Registration Fees	Before	After
	15/04/2024	15/04/2024
Author/ Delegate	£500	£550
Advisory Committee	£450	£500
Student	£375	£425
Online attendance	£350	£400

Registration fees cover participation in all sessions of the conference, a copy of the proceedings, lunches, refreshments and conference dinner. Author could submit only 1 paper (author allowed to submit additional paper for extra charge of £150).

### All Correspondence:

MSSM-2024 Team;  
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