

# 5<sup>th</sup> INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE & NANOTECHNOLOGY

## Future Materials 2024

ATHENS, GREECE | OCTOBER 21-23, 2024  
ONLINE, ZOOM | OCTOBER 24-25, 2024

### Committee Members



**Ester  
Vazquez**  
*IRICA- UCLM  
Spain*



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Lopez**  
*University of the  
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*University Carlos  
III of Madrid  
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**Alejandro  
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Fernández**  
*University of A Coruña  
(UDC)  
Spain*

# WELCOME TO FUTURE MATERIALS-2024!

Dear Attendees,

Welcome to Future Materials 2024, the 5th International Conference on Materials Science and Nanotechnology to be held October 21-25, 2024, in Athens, Greece and Online.

We are organizing an attractive program that will address the most current issues and challenges in Materials Science. The conference is designed to attract and stimulate scientists working in areas as diverse as chemistry, physics, biomedicine, and engineering. It is intended to be a forum to foster collaboration, exchange of ideas, and creativity. Moreover, we will pay special attention to young researchers who represent the future of science, reserving slots for their oral talks and rewarding their best presentations and posters.

As chair of the conference, I would like to express my special thanks to the scientific committee for their helpful advice and brilliant suggestions in organizing the technical program and for their thorough and timely review of the abstracts. Many thanks to the organizers for their dedicated efforts in overseeing the various aspects of the conference and coordinating related social activities.

We have chosen a wonderful venue in the marvelous city of Athens, the cradle of European culture, where past and present merge, ensuring an interesting cultural program for the most curious brains.

We look forward to seeing you all in Athens.



**Prof. Ester Vázquez Fernández-Pacheco**

Conference Chair, Future Materials-2024

Director of IRICA

University of Castilla-la Mancha (UCLM)

Spain



# ABOUT FUTURE MATERIALS 2024!

The **5th International Conference on Materials Science & Nanotechnology**, the five-day scientific event is scheduled to take place in Athens, Greece from October 21-23, 2024, with an online segment via Zoom from October 24-25, 2024.

Future Materials 2024 will be divided into four major symposiums;

- (i) Future Biomaterials- Biomedical Applications, Biomimetic Engineering, Toxicity, 3D & 4D Printing**
- (ii) Future Materials for Energy and Environment**
- (iii) Materials for Electronics, Optics, and Photonics**
- (iv) Nanotechnology and Nanomaterials**

Previous editions of Future Materials meetings were hosted in Lisbon, Rome, and Valencia. These gatherings were honored by the esteemed presence of Nobel laureates and influential C-level executives, contributing significantly to the exchange of knowledge and fostering innovation throughout four distinguished editions.

We extend a warm invitation for you to join us and network with leading experts, researchers, and innovators boasting both academic and industrial backgrounds from around the globe. Prepare to be immersed in a collaborative environment where cutting-edge research in the fields of materials science and nanotechnology will be shared, fostering a collective drive toward advancements and breakthroughs.



**Promote  
Research**

**Connect  
Globally**

**Best Poster  
Competition**

**WHY  
ATTEND?**

**Networking  
Events**

**Insightful  
Sessions**

**Young Researchers  
Presentation Award**



# Global Speakers



**Meilin Liu**  
Professor  
Georgia Institute of  
Technology, USA



**Jonathan Knowles**  
Professor  
University College  
London, UK



**Jang Kyo Kim**  
Professor  
Khalifa University,  
UAE  
University of New South  
Wales, Australia



**Maria J. Vicent**  
Professor  
Centro de Investigación  
Príncipe Felipe, Spain



**Chengzhong  
(Michael) Yu**  
Professor  
The University of  
Queensland, Australia



**Philippe Poulin**  
Director of Research  
CNRS/University of  
Bordeaux, France



**Svetlana Mintova**  
Director of Research 1st Class  
CNRS, ENSICAEN,  
Normandy University-  
Caen, France



**Bingqing (B.Q.) Wei**  
Professor  
University of  
Delaware, USA



**Peter Wick**  
Professor  
Empa  
Switzerland



**Pedro Alpuim**  
Professor  
International Iberian  
Nanotechnology  
Laboratory Portugal



**Stergios Pispas**  
Professor  
National Hellenic  
Research Foundation  
Greece



**Naoki Komatsu**  
Professor  
Kyoto University  
Japan



**Juan Carlos Sánchez  
López**  
CSIC Senior Researcher  
CSIC-US, Spain



**Lorena Diéguez**  
Leader - Medical Devices  
research Group  
INL, Portugal



**Laura Maggini**  
Senior Researcher  
University of Vienna  
Austria

# Global Speakers



**Kirill Monakhov**  
Research Group Leader  
IOM Leibniz Institute of  
Surface Engineering  
Germany



**Laura Maggini**  
Professor  
Central Michigan  
University, USA



**Wei Li**  
Professor  
The University of  
Texas at Austin, USA



**Dorleta Jimenez de  
Aberasturi**  
Leader  
CICbiomaGUNE, Spain



**Wenfang Sun**  
Professor  
The University of  
Alabama, USA



**Liang Li**  
Professor  
Soochow University  
China



**Juan P. Martínez-  
Pastor**  
Director & Professor  
University of Valencia  
Spain



**Jesús Mosquera**  
Assistant Professor  
Universidade da  
Coruña, Spain



**Mattia Bramini**  
Ramón y Cajal Senior  
Researcher  
University of Granada  
Spain



**Arsen Babajanyan**  
Professor  
Yerevan State University  
Armenia



**Charles-Alexis  
Asselineau**  
Ramon-y-Cajal fellow  
IMDEA Energy  
Spain



**Alberto Katsumiti**  
Researcher  
GAIKER Technology  
Centre, Spain



**Amalia Ruiz Estrada**  
Assistant Professor  
University of Bradford  
United Kingdom



**Antonio Turco**  
Senior Researcher  
Institute of  
Nanotechnology National  
Research Council, Italy



**Shuyan Gao**  
Professor  
Henan Normal  
University, South  
Korea



# Global Speakers



**Xixiang Zhang**  
Professor  
King Abdullah University  
of Science & Technology  
Saudi Arabia



**Fernando Novio**  
Associate Professor  
Universitat Autònoma  
de Barcelona, Spain



**Antonio Maffucci**  
Professor  
University of Cassino  
and Southern Lazio  
Italy



**Inês C. Gonçalves**  
Principal Investigator  
i3S/INEB  
Portugal



**Andrea Armirotti**  
Analytical Chemistry  
Facility, Coordinator  
Italian Institute of  
Technology, Italy



**Yan Yu**  
Professor  
University of Science  
and Technology of  
China, China



**Terence K.S. Wong**  
Associate Professor  
Nanyang Technological  
University, Singapore



**Serge Stoll**  
Senior Lecturer  
University of Geneva  
Switzerland



**Vahid Serpooshan**  
Assistant Professor  
Georgia Institute of  
Technology &  
Emory University,  
USA



**António Salgado**  
Coordinating Investigator  
University of Minho  
Portugal



**Giacomo Reina**  
Researcher  
Empa  
Switzerland



**Taher Ghomian**  
Assistant Professor  
University of Maine  
USA



**Giasemi Angeli**  
Associate Researcher  
National Hellenic  
Research Foundation  
Greece



**Antonio Esau Del  
Rio Castillo**  
Production Manager &  
Researcher  
BeDimensional S.p.A.  
Italy



**Z. Faidon Brotzakis**  
Researcher  
BSRC Alexander  
Fleming, Greece

Check more at: <https://materialsconference.yuktan.com/featured-speakers>



# Program Outline (In-person- Tentative)

**Day 1: October 21, 2024**

**Day 2: October 22, 2024**

**Day 3: October 23, 2024**

08:00-08:45

Registrations

08:45-09:00

Opening Remarks

09:00-10:10

**Morning Keynote Session**

10:10-10:30

Networking (Coffee) Break

**ROOM -1**

*Biomaterials  
Session 1*

**ROOM -2**

*Electronic Materials  
Session 1*

**ROOM -1**

*Biomaterials  
Session 4*

**ROOM -2**

*Nano Session 1*

**ROOM -1**

*Energy Session 1*

**ROOM -2**

*Nano Session 2*

12:30-13:30

**LUNCH BREAK**

13:30-14:05

**Afternoon Keynote Session**

**ROOM -1**

*Biomaterials  
Session 2*

**ROOM -2**

*Electronic Materials  
Session 2*

**ROOM -1**

*Biomat: Young  
Researcher Forum*

**ROOM -2**

*Nano: Young  
Researcher Forum*

**ROOM -1**

*Energy Session 2*

**ROOM -2**

*Nano Session 3*

16:05-16:25

Coffee Break

**ROOM -1**

*Biomaterials  
Session 3*

**ROOM -2**

*Electronic Materials  
Session 3  
  
Electro: Young  
Researcher Forum*

**ROOM -1**

*Energy: Young  
Researcher Forum*

**ROOM -2**

*Nano: Young  
Researcher Forum*

**ROOM -1**

*Energy Session 3*

**Poster Presentations & Drinks**

**Social Networking**

**Awards and Closing Remarks**

**Day 4: October 24, 2024 | Online, Zoom**

**Day 5: October 25, 2024 | Online, Zoom**

# Athens



the capital of Greece, is a city rich in history and culture. Known as the cradle of Western civilization, Athens offers a unique blend of ancient landmarks and modern amenities. During your stay, we encourage you to explore iconic sites such as the Acropolis, the Parthenon, and the charming neighborhoods of Plaka and Monastiraki. The warm and hospitable people of Athens are excited to welcome you to their city. Enjoy the vibrant culture, delicious cuisine, and historic charm that Athens has to offer.





# Venue

## Address to the Hotel:

## NOVOTEL ATHENES

4-6 Michail Voda, 104 39 ATHENS, GREECE

## Venue Information

The Novotel Athens hotel is close to important historical and cultural monuments of Athens such as the National Archaeological Museum, the Car Museum, the University of Athens, the National Library, the National Theatre. It is also easy to access and visit Plaka, Monastiraki, Thisio, Gazi, Kerameikos, the Agora and the main nightlife spots.

The Hotel staff will only provide general information about the hotel and guest rooms; and are not responsible for any specific details about the conference. Guest room confirmation numbers will be provided to the registrants periodically on successful completion of the registration and accommodation bookings.

Note: Please mention the Yuktan Technologies Pte Ltd/Future Materials-2024 name, if you wish to contact hotel reception.

## Near The Hotel

- Acropolis Museum: 3.00 km
- National Archaeological Museum: 0.50 km
- Benaki Museum: 1.50 km
- Byzantine Museum: 1.50 km
- Cycladic Museum: 1.20 km
- National Gallery: 1.50 km
- Plaka: 2.00 km



# Participants From:



**Register your slot  
TODAY!**

[https://materialsconference.yuktan.com/registration\\_form](https://materialsconference.yuktan.com/registration_form)

**For Sponsorship and Exhibitor  
Opportunities!**

**Sponsorship Guide:**

[https://materialsconference.yuktan.com/pdfs/sponsorship\\_future\\_materials\\_2024.pdf](https://materialsconference.yuktan.com/pdfs/sponsorship_future_materials_2024.pdf)

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