

MATERIALS SCIENCE AND TECHNOLOGY IN EUROPE

FEMS EUROMAT23

03 - 07 September 2023

Frankfurt am Main (Germany) & Online



AREA G:
**EDUCATION, STRATEGY,
AND TECHNOLOGY
TRANSFER**

G: EDUCATION, STRATEGY, AND TECHNOLOGY TRANSFER

This area is planned as a forum to debate different topics, not usually considered in the frame of scientific symposia but of the uttermost importance to academics. As indicated in the title, the sessions will be scheduled around three basic pillars: Educational, Strategy, and Technology Transfer:

Educational

The talks and debates will be focused on Materials Science Education, with an emphasis on the new needs of the Society. The first point is how to attract students to Materials disciplines and contribute to improving the citizens' knowledge about the importance of the materials. One of the key points will be the role of materials in accomplishing the 2030 Agenda/ Green deal. The new Society and Market (employers) requirements call for an urgent redefinition of teaching strategies to help students to better acquisition of competencies.

An important question to be addressed is the design of methodological routes that allow the inclusion of new aspects of Materials Science in Materials Education and how to incorporate interdisciplinarity in materials science courses.

Finally, the open science paradigm must undoubtedly be present.

Strategy

Regarding strategy, the main question is whether it is really possible to make a European Science policy, possibilities, and opportunities to align the policies of the different EU countries. Considering the EU bet on the Green Deal and the 2030 Agenda, what are the needs for Europe to occupy a relevant position in the "materials arena": Material Manifesto – a new EU policy for pushing material R&I

Technology Transfer

How does Materials science may impact the new EIC
From lab to market – to abate the time to market of innovation-based materials

Material R&I – a boosting element for the European VC market

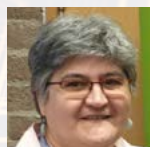
AREA COORDINATORS



Dr.

Marco Falzetti

APRE - Agenzia per la Promozione della Ricerca Europea (IT)



Prof. Dr.

Paloma Fernández Sánchez

Universidad Complutense de Madrid (SP)

SYMPOSIA

G01: Education, Strategy, and Technology Transfer

DEADLINE FOR ABSTRACT SUBMISSION

31 January 2023

EUROMAT2023.com



MATERIALS SCIENCE AND TECHNOLOGY IN EUROPE

FEMS EUROMAT 23

03 - 07 September 2023

Frankfurt am Main (Germany) & Online

EUROMAT2023.com

DEAR MATERIALS SCIENCE AND ENGINEERING COMMUNITY, DEAR COLLEAGUES,

We cordially invite you to join the 17th European Congress and Exhibition on Advanced Materials and Processes - FEMS EUROMAT 2023, which will be held in Frankfurt am Main, Germany, 03 - 07 September 2023. The congress venue will be the Frankfurt Goethe-University's new Westend Campus with its park-like ambiance and beautiful travertine-faced buildings, one of Germany's most attractive ones.

Our ambition is to organize a memorable and successful congress in the tradition of previous FEMS EUROMAT congress to offer delegates many opportunities to engage in discussions, build new and strengthen existing partnerships and collaborations within and outside Europe.

Germany has a long tradition in Material Science and Engineering. The German Materials Society - DGM - was founded in 1919 and is one of the founding members of FEMS.

DGM's proprietary congress platform will serve as a proven interface allowing delegates to participate on-site or connect from another location via internet. As the first hybrid FEMS EUROMAT, we will offer the best of both worlds – physical and virtual.

We hope that you'll participate in the congress to share with us your experience and views in the field of Materials Science and Engineering.

On behalf of the Scientific Committee



Prof. Dr. Ehrenfried Zschech

deepXscan GmbH, Dresden, Germany

Chair of FEMS EUROMAT 2023

EUROMAT2023.com



Congress Office

Deutsche Gesellschaft für Materialkunde e.V.

Marie-Curie-Straße 11-17

53757 Sankt Augustin, Germany

T +49 (0) 69 75306 750

euromat@dgm.de

ABOUT FRANKFURT AM MAIN

Frankfurt's skyline is truly unique. From the Main Tower's rooftop observation platform, situated some 200 meters above the city streets, one has a spectacular view of the surrounding region. Nearby, in the historical old town, Römer City Hall, the Frankfurt Cathedral and St Paul's Church are all must-sees.

Old town flair in the heart of the big city: A old part of Frankfurt has been brought back to life. Completed in 2018, the New Frankfurt Old Town consists of 15 faithfully reconstructed buildings and 20 brand-new dwellings connected by a series of winding laneways. Many of the buildings feature structural ornaments dating back to the Middle Ages – thankfully saved from the destruction of World War II and now returned to their places of origin. A series of museums, restaurants, bars and shops combine to breathe new life into the old quarter, nestled between Frankfurt Cathedral and the Römerberg, turning it into a lively new urban space.

CONGRESS VENUE

Goethe University was founded in 1914 as a unique "citizens' university," financed by wealthy citizens in Frankfurt, Germany. Named in 1932 after one of the city's most famous natives, Johann Wolfgang von Goethe, today the university has over 48,000 students. Goethe University is the third largest university in Germany.

Goethe University

Westend Campus

Seminar Building

Theodor-W.-Adorno-Platz 5

60323 Frankfurt, Germany



Campus Westend, Goethe University, Frankfurt, Germany

FEMS EUROMAT23

03 - 07 Sep 2023 (Frankfurt)

euromat2023.com

FEMS EUROMAT is the most important international congress in materials science and technology in Europe. It continues a successful congress series promoting the transfer of knowledge and the exchange of experience between academia and industry. **Submission deadline: 31 January 2023**

Area G: Education, Strategy, and Technology Transfer

G01: Education, Strategy and Technology Transfer

This area/symposium is planned as a forum to debate different topics, not usually considered in the frame of scientific symposia but of the uttermost importance to academics. As indicated in the title, the sessions will be scheduled around three basic pillars: Educational, Strategy, and Technology Transfer:

Educational

The talks and debates will be focused on Materials Science Education, with an emphasis on the new needs of the Society.

The first is how to attract students to Materials disciplines and contribute to improving the citizens' knowledge about the importance of the materials. One of the key points will be the role of materials in accomplishing the 2030 Agenda/ Green deal.

The new Society and Market (employers) requirements call for an urgent redefinition of teaching strategies to help students to better acquisition of competencies.

An important question to be addressed is the design of methodological routes that allow the inclusion of new aspects of Materials Science in Materials Education and how to incorporate interdisciplinarity in materials science courses.

Finally, the open science paradigm must undoubtedly be present.

Strategy

Regarding strategy, the main question is whether it is really possible to make a European Science policy, possibilities, and opportunities to align the policies of the different EU countries.

Considering the EU bet on the Green Deal and the 2030 Agenda, what are the needs for Europe to occupy a relevant position in the "materials arena": Material Manifesto – a new EU policy for pushing material R&I

Technology Transfer

How does Materials science may impact the new EIC

From lab to market – to abate the time to market of innovation-based materials

Material R&I – a boosting element for the European VC market

Symposium Organizer



Dr. Marco Falzetti
APRE - Agency for the Promotion of Europe...



Prof. Dr. Paloma Fernández Sánchez
Universidad Complutense de Madrid



AREAS



A: Functional
Materials

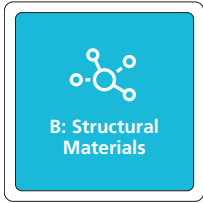
A: Functional Materials

Bernhard Bayer-Skoff

TU Wien, Austria

Luis Pereira

UNINOVA, Portugal



B: Structural
Materials

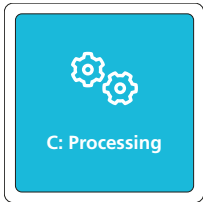
B: Structural Materials

Francisca Caballero

Spanish National Research Council, Spain

Pawel Zieba

Polish Academy of Sciences, Poland



C: Processing

C: Processing

Eduard Hryha

Chalmers University of Technology, Sweden

Ioanna Zergioti

National Technical University of Athens, Greece



D: Characterization
and Modeling

D: Characterization and Modeling

Eva Olsson

Chalmers University of Technology, Sweden

Christophe Pinna

The University of Sheffield, UK



E: Energy and
Transportation

E: Energy and Transportation

Vito Di Noto

University of Padova, Italy

Dirk Lehmus

Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM, Germany



F: Materials for
Healthcare

F: Materials for Healthcare

Aldo R. Boccaccini

Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany

Sandra Van Vlierberghe

Gent University, Belgium



G: Education,
Strategy and
Technology
Transfer

G: Education, Strategy and Technology Transfer

Marco Falzetti

APRE - Agenzia per la Promozione della Ricerca Europea, Italy

Paloma Fernández Sánchez

Universidad Complutense de Madrid, Spain



H: Materials for
Circularity and
Sustainability

H: Materials for Circularity and Sustainability

Gesa Beck

SRH Berlin University of Applied Sciences, Germany

Artur Braun

Swiss Federal Laboratories for Materials Science and Technology (EMPA), Switzerland

KEYDATES & DEADLINES

31 JANUARY 2023

DEADLINE FOR ABSTRACT SUBMISSION

31 JANUARY 2023

DEADLINE EARLY BIRD TICKETS

MAY 2023

AUTHORS CONFIRMATION

JUNE 2023

PRELIMINARY PROGRAM

03 SEPTEMBER 2023

START OF EUROMAT 2023

EARLY BIRD TICKETS

ON-SITE TICKETS*

These tickets cannot be booked separately without a catering package!

FEMS MEMBER - FULL CONGRESS 805€

FEMS MEMBER - HALF CONGRESS 515€

REGULAR - FULL CONGRESS 950€

REGULAR - HALF CONGRESS 610€

REGULAR - ONE DAY 380€

ON-SITE TICKETS - YOUNG SCIENTISTS*

Full Congress only. Bachelor, Master and PhD Students up to 30 years (proof required). These tickets cannot be booked separately without a catering package!

YOUNG SCIENTISTS - FEMS MEMBER 433€

YOUNG SCIENTISTS - REGULAR 510€

ONLINE TICKETS**

Full Congress only

FEMS MEMBER 325€

REGULAR 380€

**On-site tickets include:*

the possibility to watch all contributions on-demand for 14 days after the congress | catering package:

- Coffee breaks (Monday, Tuesday, Wednesday, Thursday)
- Lunchtime snacks
- Welcome reception

***Online tickets include:*

the online participation through a browserbased web congress platform and the possibility to watch all contributions on-demand for 14 days after the congress

Congress Office

Deutsche Gesellschaft für Materialkunde e.V.

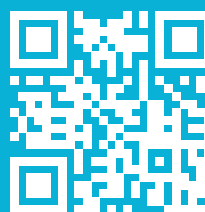
Marie-Curie-Straße 11-17

53757 Sankt Augustin, Germany

T +49 (0) 69 75306 750

euromat@dgm.de

EUROMAT2023.com



DGM

Deadline for abstract submission: **31 January 2023**.
Contribution submissions from Young Scientists are welcome.