



FEMS Newsletter 2020

A reflection on 2020 by FEMS President Prof Eric Le Bourhis

Tell us about your experience as President of FEMS this year?

What a strange year it has been. I reviewed the Q&A I wrote back in 2019 and one important date I mentioned was Junior EUROMAT in Granada. It was so exciting to gather the young community in materials science (latest edition was in Budapest). The decision to postpone and then cancel this year's event was very difficult. On the other hand, I have experienced a great resilience of our community in that difficult period of time. We have been able to organise the FEMS Master Thesis Awards as well as Communication Award for Excellence in MSE awards. In the frame of EUMAT, we have also been able to publish an important position paper on 'The role of materials in the post-COVID society' while we participated to the launch webinars series with our new associate member Texas A&M. I am very grateful to FEMS community for its strength and optimism.

FEMS partnered with Taylor & Francis this year to launch its new journal. Can you tell us what to expect and what this means to the materials community?

This is another important milestone that we have achieved in this difficult period. I'm looking forward to this new partnership, establishing FEMS on the European materials publishing scene. This new journal will cement and strengthen our longstanding dissemination vocation. I wish this European Journal of Materials be the platform for materials scientists and engineers to publish and share their work.

What are the main priorities for FEMS going forward?

One main priority is our European Journal of Materials. The established editorial board around its Editor in Chief is in a very good position to make a great success of the journal. We are also very actively working to secure our next event to happen in September 2021 where we hope to gather our community around EUROMAT 2021 in Graz.

FEMS will be hosting EUROMAT with ASMET next year. What are you most looking forward too?

I'm looking forward to meeting, networking and exchanging with my colleagues. We have been working actively with ASMET to organise and secure the event and I'm looking forward to making another great success in EUROMAT series. The scientific and managing committees have been working strongly to propose a fantastic group of symposia, invited lectures in a beautiful venue.

Committee and membership updates



Meet FEMS Vice President 2020-2021 – Anna Zervaki

Anna Zervaki graduated as a Mining and Metallurgical Engineer from the National Technical University of Athens in 1989. After graduation she joined the Laser Applications Group at IESL/FORTH, and in 1991 she moved to MIRTEC SA, Greece. She partially returned to the University in 1996, and in 2004 received her PhD from the Department of Mechanical Engineering, University of Thessaly. In 2002, she joined the materials laboratory, where currently she is working as a Laboratory Teaching Staff.

Her research interests are in the field of structure-processing-properties-performance interactions in metallic materials/computational alloy thermodynamics and kinetics/laser welding/FSW/shape memory alloys/failure analysis of mechanical components and Structures. She is co-author of around 85 papers published in international journals and conference proceedings, and more than 300 failure analysis reports to the industry. Since 2010, she is President of the Hellenic Metallurgical Society, and is actively involved in the organisation of EUROMAT 2021.

FEMS Executive Committee Membership

On 31 December former FEMS President Dr Brett Suddell and Dr Bernie Rickinson will be stepping down as Executive Committee members. The President would like to thank them for their commitment to FEMS activities and support through their tenures.

We are pleased to welcome two new members, Dr Colin Church (IOM3) and Professor Nikos Michailidis (HMS). Congratulations to Professors Aldo Boccaccini (DGM), Gian Luca Garagnani (AIM), Sten Johansson (SFMT) and Dr Rodrigo Moreno (SOCIEMAT) re-elected on the Executive Committee for the 2021-2023 period.

FEMS Committee

Honorary Membership

The General Assembly approved the nominations put forward and we are please to announce the 2 new Honorary Members:

[Margarethe Hofmann-Antenbrink, FEMS President 2014-2015](#)

[Ludo Froyen, FEMS Treasurer 2011-2017](#)



Texas A&M Engineering Experiment Station

New Associate Member

In 2020, we welcome the latest Associate Member, [Texas A&M Engineering Experiment Station](#), an engineering research agency based in the US.

TEES performs quality research driven by world problems; strengthens and expands the state's workforce through educational partnerships and training; and develops and transfers technology to industry.

Strategic Advisory Group

FEMS is please to announce a new, non-executive group comprised of experienced Executive members who are no longer eligible for re-election, to retain expertise otherwise lost. The Strategic Advisory Group would work with the FEMS President and Executive Secretary providing support to both Management and Executive Committees on an advisory role on issues of strategic importance for FEMS.

FEMS appoints Web and Social Media Executive

In May 2020, Ms Natalie Daniels took over the role of FEMS Web & Social Media Executive. She has been working as Head of Communications for the Institute of Materials, Minerals and Mining (IOM3) and is responsible for all internal and external communications to promote the Institute's activities.

Following a great collaboration with FEMS, Dr Hugh Dunlop, stepped down. During his time, first as Executive Secretary and then as Communications Manager, Dr Dunlop was integral in setting up the FEMS website.

FEMS events and activities

FEMS new materials science and engineering journal

FEMS has launched its journal, European Journal of Materials in association with Taylor & Francis, a fully open access materials science and engineering journal that covers the functional and structural behaviour of materials.

The journal aims to close the gap between academics and practitioners in the field to provide a home for research in the international arena of materials science and engineering.

European Journal of Materials publishes research on the application-specific features of materials in medical, energy, transportation, construction and other industries in the following subject areas:

- Functional materials•Structural materials•Processing•Characterisation and modelling•Energy, transport and environment•Biomaterials for life science and healthcare•Bio-based materials•Raw materials and recycling•Education, strategy and technology transfer•

European Journal of Materials accepts original research articles, review articles, short communications, news and views articles. The journal operates a single-blind peer review policy.

Richard Delahunty, Global Portfolio Director of Physical Sciences and Engineering at Taylor & Francis, says, 'We have had a long-standing relationship with FEMS and are delighted for this to expand into a broad forum for Materials Science research, and even more pleased for this to be a fully Open Access journal. We look forward to working actively with the Editor Professor Nikolaos Michailidis, the Editorial Board and with FEMS to make this exciting new journal a success.' All articles are freely and permanently available online through gold open access publication.

View journal page

FEMS Junior EUROMAT 2020

2020 has been a challenging year and unfortunately despite the organisers' best efforts to hold the 2020 FEMS Junior EUROMAT in Granada, Spain, the event had to be cancelled. Read the full statement issued by SOCIEMAT [here](#).



Message from ASMET on FEMS EUROMAT 2021

EUROMAT is the premier international congress in the field of materials science and technology in Europe.

This conference will continue a successful series of material science conferences. The main objective is to foster knowledge transfer and exchange of experiences amongst delegates with academic and industrial backgrounds. EUROMAT will take place on 12–16 September 2021 in Graz, Austria.

Gerhard Hackl, Chief Executive of ASMET says, 'Despite the pandemic and uncertainty ASMET will be organising FEMS EUROMAT 2021 in Graz (12-16 September). We are working with FEMS and the organisers to hold the event with our delegates' safety as our number one priority. We will be monitoring the situation closely across the next few months and look forward to hopefully welcoming everyone to Graz in September.'

FEMS EUROMAT

FEMS President contributes to new report on the role of materials in the post-COVID society

FEMS President Prof Eric Le Bourhis has contributed to new paper on the role of materials in the post-COVID society looking at how materials will enable solutions for a healthy, safe, and resilient society to achieve a sustainable, stable, and stronger economy, able to respond to citizen's demands.

The paper released in September 2020 addresses the role of materials in the post-COVID society and summarises positioning, potential solutions, and recommendations that stem from the European Materials community.

Read full report

FEMS Awards

2020 Master Thesis Award and FEMS Communication Award winners announced

In July 2020, the 3rd FEMS Communication Award for Excellence in Materials Science and Engineering and 4th FEMS Master Thesis Competition took place virtually for the first time due to COVID-19.

FEMS Communication Award for Excellence in MSE winners:

Congratulations to Manuel João de Moura Dias Mendes (SPM) and João André da Costa Tedim (SPM).

2020 Master Thesis Award winners:

Congratulations to Georgios Chatzigiannakis from the Hellenic Society for the Science & Technology of Condensed Matter (HSSTCM) winning first place. Ana Carina Lopes (SPM) – awarded 2nd place and Hugo Roirand from the Société Française de Métallurgie et de Matériaux presented with 3rd place.

View 2020 winners

Entries invited for 2021 FEMS Awards

FEMS European Materials Medal in recognition of outstanding contributions to the fields of Materials Science and Engineering. FEMS Materials Science & Technology Prize to young European materials scientists or engineers in recognition of a significant contribution to a field of Materials Science and Engineering.

FEMS Materials Innovation Medal for distinguished scientists or engineers to recognise outstanding contributions to technological development and innovation based on exceptional contributions in materials science and engineering. The deadline is 31 January 2021.

FEMS Awards



In other news

European Technology Platforms

You can find a list of European Technology Platforms (ETPs) listed on the FEMS website on the Material Associations pages. Each is listed with a logo and a brief description of the organisation. If you have any additional organisations you would like to add to the list, please email communications@fems.org

ETPs

Obituary – Erhard Hornbogen, Professor for Materials Science

Erhard Hornbogen, who was born in Greiz (Thüringen, Germany) on 2 February 1930, passed away on 16 April 2020, after having reached the age of 90 early this year. You can find obituary celebrating Erhard's life via the link below.

Read Erhard Obituary