

2023 FEMS Winter Newsletter

I would like to thank all FEMS Member Societies for their support and commitment to the FEMS vision. On behalf of the FEMS Board, I send you heartfelt wishes for a joyful festive period, with family friends and colleagues.

Merry Christmas

Happy and Prosperous 2024!

Asst Prof Anna Zervaki, FEMS President (2022-2023)

FEMS Awards

The FEMS Awards Selection Committee is proud to present the reviewed FEMS Prestigious Awards. Although the awards have been running successfully for nearly 30 years, the FEMS Awards Selection Committee wished to review the recognition scheme to make them more relevant and reflect the FEMS vision, achieving greater outreach.

Although the awards' Terms of References remain largely unchanged, the changes refer mainly to recognition of achievement at different career stages for individuals and groups from academia and industry, define eligibility criteria and reduce the number of winners to increase competitiveness. [Read more](#)

FEMS EUROMAT 2023

Nearly 2,000 delegates joined travelled to Frankfurt or joined online to attend FEMS EUROMAT 2023 hosted by DG in Frankfurt and enjoyed 4 days of 9 plenary and 40 keynote lectures, daily poster sessions, over 1.000 lectures across 24 parallel sessions covering 8 areas (Functional Materials, Structural Materials, Processing, Characterisation & Modelling, Energy & Transportation, Materials for Healthcare, Education, Strategy & Technology Transfer and Materials for Circularity & Sustainability), panel discussions, the 2023 FEMS Master Thesis Award final and special events such as the Women's Lunch organised by the DGM Women's Network. [Read more](#)



2023 FEMS Master Thesis Final

4 finalists from Italy, Greece, Spain and Portugal, all winners of their own national finals, gave a 10-minute presentation in front of a full audience on their chosen topics ranging from jarosite-blast furnace sludges self-reducing briquettes and polyaniline thin films to protection of aluminium alloys and sustainable powders for energy deposition. [Read more](#)



FEMS Junior EUROMAT 2024

Earlier this year FEMS Board assigned UK-based Institute of Materials, Minerals & Mining (IOM3) the organisation of FEMS Junior EUROMAT 2024. The conference, bringing together student and early career professionals across Europe will be hosted in Manchester 15-18 July. unioreuromat2024.fems.eu

Abstract submission deadline: 5 January

FEMS Member Societies



2023 has been a year of consolidation of the projects launched by the current Management Board of SOCIEMAT which have positioned our Association as the national reference for Spanish researchers in Materials Science and

Technology.

New editions of our main activities have been carried out, such as ALESCORR (High Specialization Course in Corrosion) and the Conference Cycles and Surface Treatments Meetings (created to disseminate the foundations and the most recent advances in the different areas of materials science and technology).

Besides, after 6 years, our scientific journal Material-ES has become a referent for disseminating the work carried out in materials science and technology in Spain, providing an optimal communication tool between partners, who can learn about the work done and its immediate projection.

Finally, SOCIEMAT's efforts to become at the forefront in the organization of activities dedicated to scientific communication among young people have been rewarded with a new edition of our MATERLAND Project.

We enthusiastically face 2024 with the XVII edition of the National Materials Congress, CNMAT, and as the previous year for welcoming you in Granada FEMS EUROMAT 2025 Congress.

In 2023 Assocompositi has been very committed to recycling initiatives, the most important are:

- publication of a technical paper, a guide for recycling and a position paper on the circularity of composite materials [more information](#)

- participation in an Italian wind industry initiative to promote the recycling of dismissed wind turbine blades of which ENEL and ERG are among the promoters [more information](#)

- support to members initiative to develop a closed-loop recycling chain of production waste from SMC/BMC by mechanical grinding

- support to Italian companies within the REFRESH European project for the development of a wind blade recycling supply chain (excluding co-processing) [more information](#)

Another very important success has been the first edition of the JEC Forum Italy (Bologna, June 6-7, 2023) that was launched by JEC in cooperation with Assocompositi with an important objective: to support a fermenting composites community, facilitating meetings between national buyers and suppliers and initiating new contacts also outside the Italian borders.

In addition, JEC and Assocompositi developed a unique programme combining technical lectures and company presentations. Automotive, Aerospace and Construction were three of the main topics areas highlighted with Innovation and Sustainability as the leitmotif of each session. Around 20 industry experts discussed the use and benefits of composites in specific fields of application and how to implement processes and create value with sustainability in mind. Over the two days of the event, the 400 participants were able to organise more than 1,000 professional meetings and many more informal gatherings. The next edition will take place in June 2025 on Como Lake.

For 2024 Assocompositi plans to continue its projects on circularity and sustainability, to organise a new edition of the Assocompositi Summer School and to support promotional activities for the Italian composites industry both within the framework of JEC World 2024 (Paris 5-7 March) and at other trade fairs and specific events at national level.





ASSOCIAZIONE
ITALIANA DI
METALLURGIA

The Italian Association for Metallurgy, AIM, is about to conclude a year full of events, both national and international ones. In fact, as many as 37 initiatives were organized during 2023, most of them held as in person events, while in 2022 most events were still online or hybrid.

In particular, AIM offered in 2023: 9 training courses, one national conference, 6 international meetings and 21 seminars on specific topics, such as welding, failure analysis, materials for automotive, additive manufacturing, diffractometry, sustainability, defects in die-castings, etc.

More than 2,000 attendees were registered at the various events, with over 200 students.

Some courses were particularly successful, especially those conducted in itinerant mode with visits to plants.

The Safe Metallurgy Itinerant Course garnered an impressive 143 total enrolments and the Itinerant Course dedicated to the electric arc furnace just under 100 participants.

We'd like to emphasize the good response of the conferences, both national and international:

- ECHT 2023, an international conference dedicated to Heat Treatments with important exhibition space, held in Genoa May 29-31
- The 19th edition of the NATIONAL DAYS OF CORROSION AND PROTECTION, held in Turin from July 5 to 7
- The 17th International Conference on SEMISOLID PROCESSING OF ALLOYS AND COMPOSITES, held in Brescia on Sept. 6-8
- The International Workshop on HIGH STRENGTH STEELS, held in Bergamo on Oct. 26-27
- The International EAF meeting, which will take place in Bergamo on November 30 and December 1 and which has already registered more than 180 registrations.

AIM presented also some awards especially to young researchers. Among those, we'd like to mention Aldo Daccò award and medal and Carlo Longaretti award.

In 2023 AIM launched its renewed website: www.aimnet.it and introduced new columns in its journal *La Metallurgia Italiana – The International Journal of the Italian Association for Metallurgy* to reach a wider range of interested readers.

AIM can therefore turn its attention to an equally promising 2024 and to consolidate the number of members.

We summarize the scheduled international conferences:

- MCHTSE-4 & TPMS-5 - 4th Mediterranean Conference on Heat Treatment and Surface Engineering + 5th International Conference on Thermal Process Modeling and Simulation– Lecce, 17-19 April 2024
- INTERNATIONAL FORGEMASTERS MEETING – Milano, 27-30 May 2024
- ESOMAT 2024 - 12th European Symposium on Martensitic Transformations – Lecco, 26-30 August 2024
- 40° AIM National Conference – Naples, 11-13 September 2024
- ECIC 2024 - 9TH EUROPEAN COKE AND IRONMAKING CONGRESS - Peschiera del Garda, 16-18 October 2024

We are looking forward to meeting you at our future events! Keep in touch by following AIM on social networks: [LinkedIn](#), [Instagram](#), [Youtube](#), [X](#) and [Facebook](#).



The Hellenic Society for the Science and Technology of Condensed Matter (HSSTCM) is a Greek non-profit scientific society founded in 1981. Its main objective is to promote the exchange of new developments and achievements in the field of Condensed Matter and Materials Science, and to support their applications.

During 2023, HSSTCM took the following actions and organized/will organize the following events:

- 9 & 10 of December: HSSTCM will organize the Online 'Workshop on Computational Materials Science-2023'. This is the 9th workshop in a series that started in 2015. Talks on Ab-initio methods & Artificial Intelligence, as well as on Light & Matter and Atoms & Spins

will be offered to mainly young scientists (MSc, PhD students and Post-Doctoral Fellows) [more information](#)

- HSSTCM covered the registration fees of 15 young scientists for their participation in the 37th Pan-Hellenic Conference on Solid State Physics and Materials Science held in Thessaloniki (September 2023) [more information](#)

- 1 April: HSSTCM organized the on-line competition for the Best Greek MSc Thesis Award in the field of Condensed Matter and Materials Science-2022. The winner, [Ms Chrysanthi Gkili](#), represented HSSTCM at the FEMS Master Thesis final which took place during the FEMS EUROMAT 2023 Conference (Frankfurt am Main, September 2023)

- HSSTCM supports the initiative of Greek scientists for the participation of Greece in the European Synchrotron Radiation Facility- ESRF [more information](#)



In 2023, the Portuguese Materials Society (SPM) spearheaded a dynamic series of initiatives, shaping the landscape of materials science and fostering community engagement.

Materials 2023 Congress (3-6 April) was held in Guimarães and marked a pivotal gathering, showcasing the forefront of materials research.

Career Achievement Award and Recognition: SPM recognized outstanding contributions to the field through this prize, honouring two individuals who have significantly impacted the materials science community, Professor Elvira Fortunato, and Professor João Moura Bordado.

Global Corrosion Awareness Day (26 April): with this celebration we intent to raising awareness about the critical issue and promoting corrosion prevention strategies.

SPM embraced the digital realm with webinars and online seminars, providing a virtual platform for knowledge exchange and collaboration among professionals.

On July 12, the society underwent a transformative change with the election of new Board, ensuring continuity. Sandra Carvalho is now the new President of SPM and Luís Pereira his Vice-President.

Materials for Energy Transition Summer School (6-8 September), convened experts and enthusiasts, fostering a collaborative environment to explore sustainable solutions for the energy sector.

World Materials Day (8 November): SPM celebrated this day, emphasizing the societal importance of materials and their role in shaping the future.

Closing the year, SPM organized a seminar focusing on Recycled, Functional, and Smart Materials for the Textile Sector (5 December), highlighting innovations in sustainability and functionality.

In 2023, SPM's multifaceted approach to education, recognition, and innovation underscored its commitment to advancing materials science on both national and global fronts.



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Best wishes to you and your loved ones during the festive season and Happy New Year!

