



EMS NEWSLETTER 80

JULY 2023



Prof. Dr. José VALPUESTA
EMS President



Prof. Dr. Virginie SERIN
EMS Secretary



Dear EMS members,

For the second half of 2023 (July 1 - December 31), new EMS Sponsored Events will be supported, including:

Super-resolution Workshop 2023, Leeds, United Kingdom, July 7 2023. <https://www.rms.org.uk/rms-event-calendar/2023-events/super-resolution-workshop-2023/information.html>

TEM-UCA Workshop, Puerto Real, Spain, July 17-21 2023. <http://tem.uca.es>

CMD 30 FisMat mini-colloquium: «New perspectives in electron microscopy for condensed matter Physics», Milano, Italy, September 04-08 2023. <https://eventi.cnism.it/cmd30-fismat>

Microscopy at the Frontiers of Science (MFS)2023, Braga, Portugal, September 27-29 2023. <https://www.mfs2023.com>

This financial support from the EMS ensures that also these smaller events, often organized in the form of a school or course, can invite top scientists to lecture our coming generations of microscopists. Congratulations to the organizers of these events, and we hope you can be there. You can find more information on these Events at the EMS website: <https://www.eurmicroc.org/en/meeting-calendar/ems-sponsored-events/>.

Every year, the EMS provides valuable support for our young colleagues to present their results and learn from the specialists at international events. The EMS Scholarships 2023 aim to support young researchers for the participation at the 20th International Microscopy Congress (IMC20) being held on September 10-15, 2023 in Bexco, Busan, Korea (<https://www.imc20.kr>). EMS has issued 20 travel grants for the attendance of young European colleagues to Busan (€ 800 each), and one travel grant for another microscopic related meeting (€ 300). More information can be found on our scholarships page: <https://www.eurmicroc.org/en/funding/scholarships/>

You will soon receive the EMS Yearbook 2022. We hope you will enjoy reading the reports on the various activities of our society, affiliated societies and EMS members on the events from the past year. The 2022 EMS Yearbook includes reports written by students, who received a scholarship, special events announced by EMS members and new reports from national societies who shared with us their activities and events. If you did not receive the issue, please verify and update your address on your EMS member's account.

As previously mentioned, this year the EMS honors its 25 years birthday, and different initiatives are being organized to celebrate it. A symposium

will take place at IMC20 (Busan, Korea) to commemorate our first 25 years of existence. We hope to see most of you there (SS-10.2, Wednesday September 13, from 10:20 AM - 12:10 PM local time)!

The EMS Outstanding Paper Awards (OPA) 2022 winners will also receive their awards during this meeting (SS-10.2, Wednesday September 13, from 10:20 AM - 12:10 PM local time). From a total of 17 high quality papers nominated in different categories, the selected papers are:

Instrumentation and Technique Development:

Nadezda Varkentina*, Yves Auad*, Steffi Y. Woo, Alberto Zobelli, Laura Bocher, Jean-Denis Blazit, Xiaoyan Li, Marcel Tencé, Kenji Watanabe, Takashi Taniguchi, Odile Stéphan, Mathieu Kociak, Luiz H. G. Tizei, Cathodoluminescence excitation spectroscopy: Nanoscale imaging of excitation pathways, *Science Advances* 8, eabq4947, 2022. <https://www.science.org/doi/10.1126/sciadv.abq4947>

*equal contribution

Life Sciences:

Elena Macías-Sánchez, Nadezda V. Tarakina, Danail Ivanov, Stéphane Blouin, Andrea M. Berzlanovich, and Peter Fratzl, Spherulitic Crystal Growth Drives Mineral Deposition Patterns in Collagen-Based Materials, *Advanced Functional Materials*, 2022, 2200504. <https://doi.org/10.1002/adfm.202200504>

Materials Sciences:

Mingjian Wu, Christina Harreiß, Colin Ophus, Manuel Johnson, Rainer H. Fink and Erdmann Spiecker, Seeing structural evolution of organic molecular nano-crystallites using 4D scanning confocal electron diffraction (4D-SCED) *Nature Communications* 13, 2911, 2022. <https://doi.org/10.1038/s41467-022-30413-5>

As usual, the EMS continues with its support to the activities of our members, so please have a look at our webpage for the various meetings and workshops that will take place over the next year.

Please do not forget to regularly visit the EMS webpage:

<http://www.eurmicroc.org/en/> and the social media pages: <https://www.facebook.com/eurmicroc/> and <https://twitter.com/eurmicroc> which are daily updated to efficiently provide you information from our community.

If you have any questions, please do not hesitate to contact the EMS Secretary at: secr@eurmicroc.org. Any suggestions and ideas for future newsletters are also welcome.

Prof. Dr. Virginie SERIN
EMS Secretary CEMES- CNRS & Université Toulouse
29 rue Jeanne Marvig 31055 Toulouse
Tel.: +33 5 62257867 - email: virginie.serin@cemes.fr

Prof. Dr. José Maria VALPUESTA
Centro Nacional de Biotecnología (CNB-CSIC)
Darwin 3, 28049, Madrid, Spain
Tel: +34 91 5854690 - jmv@cnb.csic.es