



Société Française de Minéralogie et de Cristallographie

www.sfmc-fr.org

SFMC ELECTION RESULTS FOR 2026–2027

SFMC members have elected a new council Board



PRESIDENT / Nathalie BOLFAN-CASANOVA is a research director at the CNRS within the Experimental Petrology Team of the Magmas and Volcanoes Laboratory (Clermont-Ferrand). She is an experimentalist who makes samples representative of the deep Earth and other planets in order to study the incorporation of point defects, such as hydrogen or ferric iron. She is an expert in high-pressure techniques but has also been involved in developing various spectroscopic analysis methods (FTIR, Raman, XANES, ERDA).



VICE PRESIDENT 1 / Hélène BUREAU is a CNRS research director at the Institut de Minéralogie de Physique des Matériaux et de Cosmochimie (Sorbonne University, Paris). Her work focuses on the fate of volatile elements (hydrogen, carbon, halogens, etc.) in the Earth's interior: cycles and transfers, storage, and origin. She uses high-pressure and high-temperature experiments combined with in situ character-

ization (synchrotron radiation), micro-analysis methods using ion beams (ERDA, PIXE, RBS, NRA, Nano-SIMS), and comparison of experimental results with studies of natural samples. Her main theme of research concerns the conditions under which diamonds grow in the Earth's mantle.



VICE PRESIDENT 2 / Pierre LANARI is a professor at the Institute of Geological Sciences at the University of Bern, working in the field of computational petrology. He is an expert in chemical and isotopic analyses using the electron microprobe and LA-ICP-MS. He has also developed a software (XMapTools) for quantitative compositional mapping. This technique is used in conjunction with U-Th-Pb

dating to constrain the crystallization rates and conditions of metamorphic paragenesis, particularly in high-pressure rocks.



SECRETARY GENERAL / Mary-Alix KACZMAREK is a senior lecturer at the Université de Toulouse and conducts her research in the Geosciences Environment Toulouse (GET) laboratory. She is a field geologist and petrologist interested by magmatic processes and the deformation of the Earth's mantle, other planets and small bodies. Her current areas of study are oceanic crust, lithospheric continental mantle, and achondrite-type meteorites. Her main analysis techniques are optical and electron microscopes, EBSD, electron microprobe, and laser coupled to an ICPMS.



VICE-SECRETARY GENERAL / Adrien NERI is a senior lecturer at the University of Lille, working within the Terrestrial and Planetary Materials team of the Materials and Transformations Unit (UMET). His work focuses on studying the internal structure of terrestrial objects in our Solar System, as well as the planetary evolution processes. To do this, he uses experimental methods under extreme pressure and

temperature conditions, combined with in situ characterization (synchrotron beam) of the physical properties of minerals and rocks. Direct comparison of experimental data with geophysical and geodetic observations of terrestrial objects allows the study of mantle seismic anomalies. His research focuses on the characterization and formation

of an anomalous layer at the boundary between the core and the lunar mantle, and on the impact of the microscopic distribution of liquids on the elastic properties of aggregates.



TREASURER / Christian CHOPIN is emeritus research director at the CNRS, Geology Laboratory of the Ecole Normale Supérieure (Paris). His main areas of interest are metamorphic and experimental petrology, phase relationships, fluid-rock interactions, and the characterization and crystallochemistry of minerals, particularly silicates and phosphates. From 2001 to 2018, he edited the SFMC journal,

European Journal of Mineralogy.



DEPUTY TREASURER / Benoît DUBACQ is a CNRS research fellow at the Paris Institute of Earth Sciences. He studies fluid-rock interactions in metamorphic rocks using thermodynamic modelling and crystallochemical methods to better understand the history of rocks in the lithosphere and reconstruct their pressure-temperature-time pathways. His recent research includes the trace element distribution

between fluids and minerals.



NEWSLETTER EDITOR / ELEMENTS / Guillaume DELPECH is a senior lecturer at Université Paris Saclay and at Paris Saclay Geosciences Laboratory (GEOPS), petrologist and geochemist specialized in igneous rocks and processes. His work focuses primarily on the nature and evolution of the lithosphere and Earth's mantle using different types of mantle and magmatic rocks found in various geodynamic contexts. He is particularly interested in magmatism in hotspot contexts, studying the oceanic islands of the French Southern and Antarctic Lands (TAAF). He mainly uses microanalysis techniques such as SEM, electron microprobe and LA-ICP-MS, combined with global geochemical analyses of rocks and various geochronology techniques.



PERMANENT BOARD GUEST / Emilie BRUAND is a CNRS researcher at the laboratory "Magmas et Volcans" at the University of Clermont-Ferrand (France). Her research focuses on exploiting chemical signatures locked within rare Earth element-bearing minerals to help understand large-scale Earth processes and geodynamics. Over the past years, she developed new petrological tools using in-situ analytical techniques (microprobe, ion probe, LA-(MC)-ICPMS) to unravel magmatic and metamorphic evolution across geological time. Her research interests include crustal evolution, the early Earth, high-grade metamorphic rocks, igneous and metamorphic petrology, oxygen and neodymium isotopes.

COUNCILORS (2026–2029): Elodie Amiguet (Ymérés, Toulouse); Céline Baudouin (Sorbonne Université, Paris); Rémi Coltat (Institut des Sciences de la Terre, Orléans); Caroline Lotout (Laboratoire Magma et Volcan, Clermont-Ferrand); Guillaume Siron (Université Marie et Louis Pasteur, Besançon); (2024–2027) Julie Aufort (CNRS – IMPMC), Baptiste Debret (CNRS IPGP), Anne-Céline Garrel-Laurin (R&D St-Gobain), Emilie Janots (Associate Professor, Grenoble-Alps University), Isabella Pignatelli (Associate Professor, University of Lorraine, CRPG)

AUDITORS: Jannick Ingrin (CNRS Lille University), Céline Rommevaux (CNRS, MIO)

LETTER FROM THE SFMC PRESIDENT

Newly re-elected president of the SFMC, I would like to warmly thank M. Blanchard, who has supported and guided me until 2025 as secretary general. I would also like to thank F. Gaillard, former vice president, who is being replaced by P. Lanari. The latter will gradually hand over management of the website to A. Néri, the vice secretary. As is the case every two years, at the end of 2025, half of the SFMC board has been renewed. I would like to thank those who are leaving the board: J.-M. Montel, M. Chassé, B. Malvoisin, and E. Bruand, as well as those who are staying on, such as H. Bureau and G. Delpech. G. Delpech is joining the executive committee and becomes editor and correspondent for *Elements Magazine*. E. Bruand joins the board as a guest, as she and her team are preparing to host the European Mineralogical Conference in Brest in 2028. I would like to welcome the new advisors E. Amiguet, C. Baudoin, R. Coltat, C. Lotout, and G. Siron.

As a president, I would like to remind you that the role of our society in France is to promote mineralogy and crystallography. Each year, the Haüy-Lacroix Prize is awarded to the best doctoral thesis in one of the SFMC's areas of research: mineralogy, crystallography, materials science, and the study of minerals in their petrological, geological, and geochemical context. The Society also awards prizes for scientific careers, and in 2025 the prize for a mid-career researcher was awarded to Sylvie Demouchy by an international jury. In 2026, the prize will be awarded to a more advanced career.

The society also promotes various events taking place in France. Over the past two years, we have supported the Alfred Lacroix Days (Paris MNHN, September 2024), the Earth Sciences Collections Symposium (Grenoble, October 2024), the Experimental Mineralogy, Petrology, Geochemistry meeting (Orleans, June 2025), and a training course on the inner Earth, "Forsterite" (Ariège, October 2025). In addition, young researchers working on their theses or post-doctorates can receive grants to attend these events or others abroad. In 2025, the

Society launched a photography competition and created a 2026 SFMC calendar featuring the best contributions sent in by members: visit the SFMC website! Over the next two years, the SFMC will organize new themed days (Extraterrestrial Material) and the European Mineralogical Conference 2028 in Brest. To make this event, which will take place in July 2028 and allow us to celebrate our society's 150th anniversary, a success, we will need the support of our entire community.

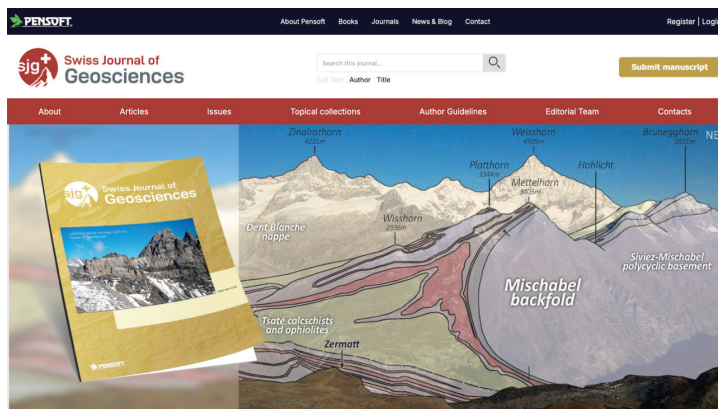
SFMC MID-CAREER MERIT AWARD



Sylvie Demouchy received the SFMC Mid-career Merit Award

Sylvie Demouchy is renowned for her work on hydrogen diffusivity in nominally anhydrous minerals in the mantle, particularly olivine. She has also demonstrated that hydrogen diffusivity in grain boundaries is not as rapid as previously thought, meaning that H-rich and H-poor heterogeneities in the mantle could persist over geological timescales. An important aspect of Sylvie's career at Géoscience Montpellier has been the experimental study of the rheological properties of olivine, culminating in a new flow law that allows continuous modelling of upper mantle deformation, from the depths of the lithosphere to those of the asthenosphere, which is now used in geodynamic modelling. Finally, Sylvie demonstrated the existence of disclination in deformed olivine, rotational defects in the crystal lattice that had previously only been predicted theoretically in silicates. A geologist by training, she continues to analyze natural samples through her studies of xenoliths from the lithospheric mantle. In addition to her scientific achievements, Sylvie has trained many students. She is also recognized for her service to the national community (through the SFMC, Section 18 of the CNRS, the High Pressure Network, and the CSIT) and the international community (having served as secretary of the IMA, as well as her service to the MSA and the EMU).

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NEW FINANCIAL MODEL

Both journals have a new financial model, which will allow financing of more articles from authors who do not have full funding to pay for Open Access Publication. The Article Processing Charge fee of EUR 1500 covers the publication of up to 26 pages in the final print PDF, with additional pages costing EUR 30 per page. A part of the APC will go

directly toward supporting researchers and publications by allowing us to offer more waivers and discounts for authors who have limited or no funding. More information can be found on the journals' webpages.

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