Société Française de Minéralogie et de Cristallographie

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SFMC ELECTION RESULTS FOR 2024–2025

SFMC members have elected a new council for 2024–2025

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

Fabrice GAILLARD is CNRS research director at the ISTO (Institute of Earth Sciences at Orléans). He is an experimental geochemist and geophysicist with a consolidated background in petrology and chemical thermodynamics. He is best known for his contributions to the understanding of volatile elements in magmatic systems with implications for the mantle and crust geodynamics, but he also contributed to model mantle degassing and its relationships with atmospheric evolution on Earth and beyond.

Vice-President

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 characterization (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.

Secretary General

Marc BLANCHARD is Research Director at the CNRS, in the Geosciences Environment Toulouse (GET) laboratory. Using mainly molecular modelling and spectroscopic techniques, he is interested in the processes governing isotopic fractionation, in the crystal chemistry of mineral phases with environmental importance, and in the crystal chemistry of volatile elements under mantle conditions.

Deputy Secretary General

Pierre LANARI is an assistant professor at the Institute of Geological Sciences at the University of Bern (Switzerland), 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 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.

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 crystallo-chemical methods to better understand the history of rocks in the lithosphere and reconstruct their pressure-temperature-time pathways. His recent research includes the trace elements distribution between fluids and minerals.

Newsletter Editor / Elements *Correspondent*

Mary-Alix KACZMAREK is an associate professor at the Université Paul Sabatier in Toulouse and conducts her research in the Geosciences Environment Toulouse (GET) laboratory. She is a field geologist and petrologist interested in magmatic processes and the deformation of the Earth's mantle, other planets, and small bodies. Her current areas of study are oceanic crust, the formation of ocean–continent transitions, and achondrite-type meteorites. Her main analysis techniques are optical and electron microscopes, EBSD, electron microprobe, and laser coupled to an ICPMS.

Councilors (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); **(2022–2025)** Emilie Bruand (CNRS, Brest), Mathieu Chassé (Associate Professor, Sorbonne University), wGuillaume Delpech (Associate Professor Paris-Saclay University), Benjamin Malvoisin (CNRS, ISTerre), Jean-Marc Montel (Professor, ENSG)

Auditors

Jannick Ingrin (CNRS Lille University), Céline Rommevaux (CNRS, MIO).