



# Société Française de Minéralogie et de Cristallographie

[www.sfmc-fr.org](http://www.sfmc-fr.org)

## FROM THE PRESIDENT



With the support of the new council, and thanks to the hard work of our past presidents Catherine Mével and Patrick Cordier, I would like to pursue our goal of making the SFMC a vibrant, stimulating, convivial association; a society aware of the place of science in societal issues and of its role linking academic research, industrial imperatives and public demands. In this period of deep reforms in French universities and at the CNRS, vice presidents Christian Chopin and Guy Libourel and I hope that the Society will become a recog-

nized actor in fostering relationships between academic structures and researchers, particularly the promising young generation of scientists. Certainly the objectives are ambitious...and thrilling!

**Anne Marie Karpoff**, President, SFMC

## SFMC ELECTION RESULTS FOR 2010–2012

**PRESIDENT** Anne Marie Karpoff (EOST, Strasbourg)

**VICE-PRESIDENTS** Christian Chopin (ENS, Paris), Guy Libourel (ENSG-INPL, Nancy)

**SECRETARY** Étienne Balan (IMPMC, Paris)

**ASSISTANT SECRETARY** Maryse Ohnenstetter (CRPG, Nancy)

**TREASURERS** Stéphanie Rossano (U. de Marne-La-Vallée), Anne-Line Auzende (UPMC, Paris)

**AUDITORS** Anne-Marie Boullier (LGIT, Grenoble), Jannick Ingrin (LMTG, Toulouse), Michel Madon (U. de Marne-la-Vallée)

**BULLETIN EDITOR** Jean Dubessy (G2R, Nancy)

**COUNCILORS** Muriel Andreani (UCB, Lyon), Marc Blanchard (IMPMC, Paris), Misha Bystricky (LMTG, Toulouse), Karim Benzerara (IMPMC, Paris), Delphine Charpentier (UFC, Besançon), Valérie Chavagnac (LMTG, Toulouse), Stéphanie Duchêne (CNRG, Nancy), François Farges (MNHN, Paris), Michel Maquet (Saint Gobain Recherche), Denis Testemale (Institut Néel, Grenoble)

The Society thanks outgoing secretary Daniel Neuville and treasurer Céline Rommevaux-Jestin for their valuable contributions, and councilors Martine Buatier, Bertrand Devouard, Michel Dubois, Dominique de Ligny, Dimitry Prêt and Jérôme Rose for four years of dedicated service.

## WELCOMING NEW COUNCIL MEMBERS FOR 2010–2012

**Muriel Andreani** has been an assistant professor at the University of Lyon since 2008. She obtained her PhD in 2003 from the University of Grenoble, where she studied the deformation mechanisms of serpentine from the field to the TEM scale, and their implications for the behavior of active faults on continents. During a postdoc in Paris and Montpellier, she worked on fluid–rock interactions and deformation in the oceanic lithosphere. She combines the study of natural seafloor samples with experimental petrology and mineralogy, and is also interested in CO<sub>2</sub> storage and new energy production.

**Anne-Line Auzende** obtained her PhD in Earth sciences from Clermont-Ferrand University in 2003. She worked on serpentine minerals involved in subduction processes, focusing on their microstructures and physical properties. She turned to high-pressure experimental petrology during a postdoc at IMPMC (Paris), where she studied Earth's



Muriel Andreani   Anne-Line Auzende   Marc Blanchard   Valérie Chavagnac   Delphine Charpentier   Stéphanie Duchêne   Denis Testemale

deep interior and element partitioning between lower-mantle phases and melts. She currently works as an assistant professor at Paris-Diderot University. Anne-Line is the new vice-treasurer of the Society.

**Marc Blanchard** is a research scientist at the Institut de Minéralogie et de Physique des Milieux Condensés (CNRS and UPMC, Paris). He applies atomistic simulation techniques to the study of processes occurring at the mineral–solution interface, such as the fate of toxic metals and isotope fractionations. His research also focuses on hydrogen speciation and atomic diffusion in nominally anhydrous minerals.

**Valérie Chavagnac** received a PhD in geochemistry in 1998 from the University of Bern and the University of Rennes, where she studied the behavior of the Sm–Nd isotope system during metamorphism. During her stay at MIT (USA), she studied Archean komatiites of the Barberton Greenstone Belt. She moved to the National Oceanographic Centre, Southampton (UK) in 2000 and studied oceanic hydrothermal activity. Since 2007, she has been a CNRS research scientist at the Laboratoire des Mécanismes et Transferts en Géologie in Toulouse. Her main research interest is the geochemistry of hydrothermal fluids, especially those rich in hydrocarbons and hydrogen.

**Delphine Charpentier** received her PhD in 2001 from the University of Nancy. Since 2005, after postdoc appointments at the University of Liverpool, G2R in Nancy and LMTG in Toulouse, she has been an assistant professor at the Franche-Comté University in Besançon. Her research interests are in geochemical and mineralogical transformations due to fluid–sedimentary rock interactions. She is particularly interested in processes involving clay minerals, in mass transfers and mineralogical changes in fault zones, and in redox modifications in iron-rich systems. She combines high-resolution mineralogical characterization with geochemical modeling.

**Stéphanie Duchêne** has been an assistant professor at the Centre de Recherche de Géologie et Pétrologie of the CNRS and University of Nancy since 1999. Her research is focused on Sm–Nd and Lu–Hf geochronology, chemical diffusion of major and trace elements in minerals, crystal growth and textures of magmatic rocks, exhumation kinetics of high-pressure rocks in mountain belts and crystallization kinetics in lava lakes.

**Denis Testemale**, after academic studies in physics, was attracted to hydrothermal geochemistry research. He has studied hydrogen bonding and ion pairing in supercritical aqueous fluids using synchrotron X-ray absorption and diffusion techniques. He focuses his research on metal transport in hydrothermal fluids, using in situ autoclave experimentation and synchrotron tools. He is currently a researcher at Institut Néel, CNRS (Grenoble) and is involved in the French absorption beamline for Earth Sciences, FAME, at ESRF.

## 23<sup>e</sup> RÉUNION DES SCIENCES DE LA TERRE (RST)

The Earth Sciences biennial meeting, jointly organized by the Fédération Française de Géologie (FFG), the SFG, the SFMC and the Université de Bordeaux, will be held in Bordeaux, France, from October 25 to 29, 2010.

**RST<sup>20</sup>**  
**BORDEAUX<sup>10</sup>**

For more information, visit [www.rst2010.epoc.u-bordeaux1.fr](http://www.rst2010.epoc.u-bordeaux1.fr)