

## Candidate for IUGS Executive Committee

**Position: Councillor 2020-2024**

**Name:** Patrick Cordier

**Affiliation:** University of Lille, France

**Nominating Organization:** International Mineralogical Association



### **Biography:**

Born 1961; PhD in 1989, Lille, France; professor at the university of Lille, France

*Roles:* president of the International Mineralogical Association  
Past-president of the French Mineralogical society  
Chief editor of European Journal of Mineralogy

### *Honours:*

- Fellow of the American Geophysical Union 2019
- Senior member Institut Universitaire de France 2019
- ERC Advanced Grant Laureate – TimeMan project – 2019-2014
- Dana Medal of the Mineralogical Society of America in 2016
- Grand Prix Kuhlmann of the Société des Sciences, de l'Agriculture et des Arts de Lille (SSAAL) 2015
- Officier de l'Ordre des Palmes Académiques 2013
- ERC Advanced Grant Laureate – RheoMan project – 2011-2017
- Chevalier de l'Ordre des Palmes Académiques 2008 (French medal given as a reward for distinguished service in education)
- Fellow of the Mineralogical Society of America 2008

*Research interest :* Deformation of rocks and constitutive minerals with implication to mantle rheology. Transmission electron microscopy of crystal defects and study of deformation mechanisms.

*Publications:* ca. 190 journal articles (including 5 Nature and 2 Science) cited > 5000 times. One book of minerals for a general audience (in French).

### **Statement:**

It is my present role of president of, and a committee chair in the International Mineralogical Association which motivates me to apply to the EC of IUGS of which

the IMA is a member. I have also been president of the French Mineralogical Society, and I have spent in total about 15 years serving on councils of various mineralogical societies. I am convinced of the importance of learned societies to promote basic sciences and, to me, the role of international associations is essential to defend the fundamental importance and universality of science in every place, in every country. Today, the need for science-based sustainable development is greater than ever and the role of geological sciences is pivotal in this context. To fully play our role, we need to organize at the highest level to promote activities beyond national boundaries. We need also, locally, where we are, to communicate with the public so that science takes its full place in modern societies. I have personally been very much involved in outreach – for example contributing several years to a popular French radio program that brings science to children and giving numerous talks in elementary schools, high schools, mineralogy clubs and writing a book presenting the latest developments of mineralogy to a general public.

It would be an honour for me to be nominated as member of the Executive Council of IUGS.