

Eduard Petrovsky

Born in 1959 in Kežmarok, Slovakia; Czech nationality

Since 2003 Head of Department of Geomagnetism
2016: Docent in Solid Earth Geophysics, University of Helsinki, Finland
1989-1995: Graduate study at Geophysical Institute, Acad. Sci. Czech Republic, for CSc. degree (equivalent to PhD.), theses on *Magnetic stability of a system of fine hematite particles* defended in December 1995
1979-1984: University of P. J. Šafárik in Košice (East Slovakia) - 5 years study of solid state physics, namely magnetism. Final state exams in 1984, degree RNDr. (equivalent to M.Sc.)
Since 1985 in the Institute of Geophysics Acad. Sci. Czech Republic in Prague, Deputy Director, Chair of Department of Geomagnetism, member of the Board of the Institute

Scientific expertise

- Experimental methods of rock magnetism, magnetic properties of rocks, minerals and synthetic samples, environmental magnetism, environmental geophysics, links to geochemistry, research of nano and microparticles for biomedical applications.
- Principal Investigator of Czech Science Foundation (GACR) Project „Magnetic identification of environmental pollution in present and recent alluvial formations“, grant No.205/96/0260, 1996-1998.
- Principal Investigator of GACR Project „Detailed magnetic characteristics of power-plant fly ashes“, grant No.205/00/1349, 2000-2002;
- Principal Investigator of Acad. Sci. Czech Rep. Project „Application of soil magnetometry for pollution mapping in the conditions of Czech Republic“, grant No.S3012354, 2003-2005;
- Principal Investigator of Acad. Sci. Czech Rep. Project „Magnetic properties of atmospheric particulate matter and relationship with environmental pollution“, grant No.A300120606, 2006-2009;
- Principal Investigator of GACR Project „Magnetic speciation of atmospheric PM1, PM2.5 and PM10 collected at sites with different air quality“, grant No.P210/10/0554, 2010-2013

International activities

- Editorial Boards: Associate Editor of Geophysical Journal International, Technical Editor of *Studia Geophysica et Geodaetica*
- Guest editor of 11 special issues of international journals in 2001-2014 (Physics and Chemistry of the Earth, Journal of Applied Geophysics, *Studia Geophysica et Geodaetica*).
- Organization of Conferences: Since 2000 main organizer of biennial international meetings on Paleo, Rock and Environmental Magnetism (1990, 1992, 1994, 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014)
- Session Convener: European Geophysical Society - EGS (1998, 1999, 2000, 2001, 2002, 2003); International Association for Geomagnetism and Aeronomy – IAGA (2001, 2003, 2007); Asia-Oceania Geophysical Society (2004); American Geophysical Union (2010); European Union of Geosciences (2012)
- 2011-2015: Vice-President of IAGA
- 2015-2019: President of IAGA

Scope and management of external research funding and projects

- Scientific coordinator of EU-funded project MAGPROX, EVK2-CT-1999-00019 (3/2000-2/2004);
- 2009: Norwegian Financial Fund Project, study visit to NGU in Trondheim
- Involved in several bi-lateral research cooperations (Poland, Bulgaria, Belgium, Germany)
- 2009-2012: Project of International Cooperation with the University of Lisbon, Portugal, supported by the Czech Academy of Sciences