Shamil Bogoutdinov

Education:

Faculty of Computational Mathematics and Cybernetics, Lomonosov Moscow State University (MSU), 1981.

Degrees:

Ph.D. in physics and mathematics (Schmidt Institute of Physics of the Earth of the Russian Academy of Sciences.

Main scientific results:

- Development of a new approach to the analysis and processing of geophysical data – Discrete Mathematical Analysis (2001-2015);
- Development of new mathematical methods for clustering (2009–2013);
- Recognition algorithms for abnormal activity on time series based on fuzzy set theory and their application for volcano monitoring and analysis of geomagnetic data (2001–2006);
- Development of new methods in hierarchical clustering of spatial geological, geophysical and geodynamic objects on the basis of discrete mathematical analysis and their applications in geophysics and geodynamics (1999–2006);
- Gravitational smoothing and its application in geophysical data series (2005-2015).

Research and Management:

Member of the Scientific Council of the Geophysical Center of the Russian Academy of Sciences (GC RAS) (2007);

Research Abroad:

- Visiting researcher at the Laboratory of Volcanology, University of Clermont-Ferrand (2001–2006);
- Visiting Professor at Institut de Physique du Globe de Paris (2006–2014);

Publications:

Author of more than 100 papers published in international and Russian scientific peer-reviewed journals.