

Vladimir Kaftan

Education:

Moscow College of Geodesy and Cartography, 1971, Moscow State University of Geodesy and Cartography (MIIGAiK), 1977.

Foreign languages:

English.

Degrees:

- Ph.D. in Engineering Science, specialty “Geodesy”, Central Research Institute of Geodesy, Aerial Photography and Mapping named after F. N. Krasovsky (1988);
- Doctor of Engineering Science, specialty “Geoinformatics”, Moscow State University of Railway Engineering (2003).

Awards:

- Expert of Geodesy and Cartography, 1999;
- Honorary Geodesist, 2001;
- Medal for the best scientific student work, 1979.

Main scientific results:

- Algorithm for mathematical processing and interpretation of geodetic observations of crustal movements;
- Study of the movements and deformations of the Earth's crust in the USSR and geodynamic active regions;
- Method of sequential analysis of the dominant harmonics for the analysis of hidden periodicities in time series of geophysical processes;
- Poly periodic approximation models of geophysical processes;
- Re-equalization algorithm for irregular precision leveling to determine the heights and vertical movements of the Earth's surface;
- Algorithm for geodynamic monitoring of deformations by GNSS;
- Equalization algorithm for combining the results of comparisons of absolute gravimeters.

Scientific research and management:

- Member of the RFBR Advisory Board for international competitions (2012);
- Expert of the Federal Roster of Scientific and Technical Spheres of the Ministry of Education of the Russian Federation (FRE) (2013);
- Deputy Chairman of Geodesy Section of the National Geophysical Committee RAS (2009).

Tuition:

- Academic advisor for three Ph.D. theses;
- Lectures and workshops on satellite geodetic measurements at the Moscow College of Geodesy and Cartography;
- Lectures on higher geodesy and geodynamics at the Moscow State University of Geodesy and Cartography;
- Lectures on satellite measurements at the Moscow State University of Railway Engineering;
- Lectures on satellite geodetic measurements at the Peoples' Friendship University of Russia.

International activity:

- Member of the working group of North Geodetic Commission 2011;
- Associate member of the Joint Working Group JWG 2.1 IAG 2011;
- Visiting expert at the Belmont Forum 2014.

Editorial and publishing activity:

- Member of the Editorial Board of the "Real Estate Cadastre" journal, 2010;
- Member of the Editorial Board of the "Geo Science" journal, 2011.

Publications:

Author of a monograph, textbook and bibliographic collection. Author of 115 scientific articles.