



## **Andrei Monakov**

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### ***Affiliation and official address:***

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***Date and place of birth:*** June 6, 1956, St. Petersburg

***Nationality:*** Russian

### ***Education:***

Doctor of Science (equal to DSc), St. Petersburg State University of Aerospace Instrumentation, Saint Petersburg, Russia, 2000.

Candidate of Science (equal to PhD), Leningrad Institute of Aircraft Instrumentation, Leningrad, Russia, 1984.

Radio Engineer, Leningrad Institute of Aircraft Instrumentation, Leningrad, Russia, 1978.

### ***Career/Employment:***

September 2000 - Present - Professor, St. Petersburg State University of Aerospace Instrumentation, Saint Petersburg, Russia.

*Academic Courses:* Theory of signals, Computer simulation of radio systems, Digital signal processing; Theory of radio navigation.

May 1998 -August 2000 - Doctorant, St. Petersburg State University of Aerospace Instrumentation, Saint Petersburg, Russia.

April 1993 - May 1998 - Docent, St. Petersburg State University of Aerospace Instrumentation, Saint Petersburg, Russia.

November 1991 - April 1993 - Visiting Scientist, Swedish Institute of Space Physics, Kiruna, Sweden. Developing of remote sensing models of scattering of electromagnetic waves from rough surfaces and vegetation, simulation of electromagnetic waves diffraction, polarimetric analysis and synthesis of remote sensing radar systems.

January 1987 - November 1991 - Senior Scientist, Leningrad Institute of Aircraft Instrumentation, Leningrad, Russia.

November 1984 - January 1987 - Junior Scientist, Leningrad Institute of Aircraft Instrumentation, Leningrad, Russia.

June 1981 - October 1984 - Post Graduated Student, Leningrad Institute of Aircraft Instrumentation, Leningrad, Russia.

January 1979 - June 1981 - Radio Engineer, Leningrad Institute of Aircraft Instrumentation, Leningrad, Russia.

***Specialization:***

- i. Main field – Statistical theory of radar systems.
- ii. Other fields – Microwave remote sensing, signal processing.
- iii. Current research interests - Statistical theory of extended radar targets, radionavigation, microwave remote sensing, simulation of physical processes in radar systems, polarimetry, analysis and synthesis of multichannel systems, signal processing.

***Honours, Awards, Fellowships, Membership of Professional Societies:***

Honorary Educator of the Russian Federation, 2006.

Honorary Mechanician of the Russian Federation, 2005.

Diploma with Honours in Radio Engineering, Leningrad Institute of Aircraft Instrumentation, Leningrad, Russia, 1979.

Merit Scholarship Holder during Undergraduate and Graduate education periods, Leningrad Institute of Aircraft Instrumentation, Leningrad, Russia, 1973-1979.

Member of the Institute of Electrical and Electronics Engineers (IEEE), 2006.