

## Sergey A. NAZIN

**Birth:** Sept. 21, 1977, Moscow, Russia.

**Position:**

Senior Scientific Researcher (since 2004),  
Trapeznikov Institute of Control Sciences, Russian Academy of Sciences, Moscow, Russia.

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**Former Full-time Positions:**

2000–2004, Junior Scientific Researcher at the Laboratory of Adaptive and Robust Systems in the Institute of Control Sciences, Russian Academy of Sciences.

**Visiting positions:**

- 2003, Visiting Researcher (3 months) at the Laboratoire des signaux et systemès, École Supérieure d'Électricité - Supélec, Gif-sur-Yvette, France (in the framework of INTAS PhD Fellowship program; Promoter – Prof. Eric Walter).
- 2004, Visiting Researcher (3 months) at the Laboratoire des signaux et systemès, École Supérieure d'Électricité - Supélec, Gif-sur-Yvette, France (in the framework of INTAS PhD Fellowship program; Promoter – Prof. Eric Walter).
- 2006, Post-doctoral Researcher (10 months) at the Center for Systems Engineering and Applied Mechanics – CESAME, Université Catholique de Louvain – UCL, Louvain-la-Neuve, Belgium; Promoters – Professors Michel Gevers and Yurii Nesterov.

**Education:**

- 1994–2000, Student of Moscow Institute of Physics and Technology.
- 2000–2004, Ph.D. Student, Institute of Control Sciences RAS.

**Degrees:**

- B.S. degree in Applied Mathematics and Physics from Moscow Institute of Physics and Technology in 1998. Graduation work “*Quadratic Mappings and its use in Control*” under the supervision of Prof. Boris Polyak.
- M.S. degree in Applied Mathematics and Physics from Moscow Institute of Physics and Technology in 2000. Graduation thesis “*Ellipsoidal Estimation under Model Uncertainty*” under the supervision of Prof. Boris Polyak.
- Ph.D. degree in Physics and Mathematics from the Institute of Control Sciences RAS, Moscow in June 2004. Thesis “*Ellipsoidal and Interval Techniques for State and Parameter Estimation in Discrete-time Dynamic Systems under Model Uncertainty*” under the supervision of Prof. Boris Polyak.

**Areas of Interest:** Set-membership estimation, Optimization, Robust control.

**Grants and Fellowships:**

- INTAS-97-10782, “Guaranteed Estimation under Model Uncertainty”, 02/1999-02/2001, Project Coordinator – Prof. Eric Walter (L2S–Supélec, Gif-sur-Yvette, France); 0.05-time participation.

- Russian Foundation for Basic Research, Grant RFBR 00-15-96018, “Theory of Robust and Optimal Control”, 01/2000–12/2002, Responsible – Prof. B.T. Polyak; 0.1-time participation.
- Combined Program of Presidium of Russian Academy of Sciences, "Robust and Optimal Control under Uncertainty", 06/2001–12/2002, Responsible – B.T. Polyak; 0.05-time participation.
- Russian Foundation for Basic Research, Grant RFBR 02-01-00127, “Superstability and its use in Control”, 01/2002–12/2004, Responsible – Prof. B.T. Polyak; 0.1-time participation.
- INTAS PhD Fellowship – YSF 2002-181, “Set-membership Estimation for Uncertain Dynamic Systems”, 11/2002-10/2004; 100%-time participation as responsible.
- Russian Foundation for Basic Research, Grant RFBR 05-01-00114, “Estimation and Control under Bounded Disturbances via Invariant Sets Theory”, 01/2005–12/2007, Responsible – Prof. B.T. Polyak; 0.1-time participation.
- Grant of President of Russian Federation for the support of young candidates of science, Grant MK-1294.2005.8, “Guaranteed Estimation and Control Problems via Invariant Sets Theory”, 10/2005–12/2006; 100%-time participation as responsible.
- Russian Foundation for Basic Research, Grant RFBR 05-08-01177, “Frequency Adaptive Control for Technical Systems”, 05/2005–12/2008, Responsible – Prof. A.G. Alexandrov; 0.05-time participation.

**Publications:** 6 papers in referred journals, 10 contributions in conference proceedings.