Innokentiy Vassily Semushin

| Nationality: | Russian | Citizenship: | Russia |
|--------------|------------------------------|--------------|-------------------------------|
| Address: | Ulyanovsk State University | Tel: | $+7 \ 902 \ 355 \ 2320$ |
| | School of Mathematics and IT | Fax: | +7 842 241 2997 |
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1 Profile

- ▶ Highly self-motivated and results driven researcher and teacher in a career spanning 38+ years
- ▷ A committed team player and strong leader able to motivate others to deliver results
- Author of many publications known in identification and adaptive stochastic control community
- ▶ High level of qualifications complemented by some good administrative skills
- Long term teaching experience resulted in formulating the effective approaches to teaching Mathematical Information Technology (MIT)
- ▷ Strong adherent to and active user of modern computer technology in various aspects
- ▷ First class communication skills with the ability to liaise with people at all levels
- ▷ Currently seeking a challenging, career-enhancing opportunity in an Education & Research position where my skill set can make a valuable contribution

2 Multidisciplinary Expertise

2.1 Expertise Summary

- Strong foundations in theoretical Computer Science, Applied Mathematics, and Mathematical Information Technology coupled with the knowledge in Electrical Engineering and Electronics
- $\triangleright\,$ Extensive practical work in system modeling, analysis and design

2.2 Mathematical Information Technology (MIT)

- Linear Programming
- ▷ Linear Least Squares Computations that are robust and cost effective
- ▷ Filtering and Stochastic Control in Dynamical Systems
- Computational Linear Algebra

2.3 Decision & Control Science (DCS)

- Detection of Abrupt Changes
- Signal Recognition
- ▷ Unsupervised (Self-learning) Systems
- $\,\triangleright\,$ Fault Tolerant & Adaptive Control

2.4 Modeling, Analysis & Design (MAD)

- ▷ System Identification: Foundations and Methods
- ▷ Stochastic Models, Estimation and Control: Theory with applications (to the complex conditions of uncertainty and changeability)
- Modern Control Systems: Modeling, Analysis and Design of Linear Systems
- ▷ Combined Navigational Systems: Error Budget Analysis and Optimization

2.5 Computer Science (CS)

- Basic Discrete Mathematics
- Computer Engineering: Algorithms & Digital Automata Design

2.6 Education (Edu)

- Curriculum Development and Instructional Programs Design
- ▷ Educational material and media. Educational technology

3 Qualifications

3.1 Education & Degrees

- 1983– Doctoral study, Ulyanovsk State Technical University, Ulyanovsk, Russia.
- 1985 **Dissertation:** Active Adaptation and Fault Detection for Stochastic Discrete Time Control Systems.

Defended: April 09, 1987, St. Petersburg State University of Aerospace Instrumentation, St Petersburg (former Leningrad), Russia.

Degree conferred: Doctor of Science (Eng) in Data Processing and Control Systems. Certificate: TN No. 007038 by The Supreme Attestation Commission, Council of Ministers of the USSR. Protocol No. 33d/11, September 4, 1987, Moscow, Russia.

- 1968– PhD study, St. Petersburg Electrical Engineering University "LETI", St Peters-
- 1970 burg (former Leningrad), Russia.

Dissertation: Closed-loop Adaptive Filters Investigation.

Defended: October 30, 1970, St. Petersburg Electrical Engineering University "LETI", St Petersburg (former Leningrad), Russia.

Degree conferred: Candidate of Science (PhD equivalent) in Automatic Control. Certificate: MTN No. 059978. St. Petersburg Electrical Engineering University "LETI", Council Resolution No. 21, October 30, 1970, St Petersburg (former Leningrad), Russia.

1959– Diploma study, St. Petersburg Electrical Engineering University "LETI", St Pe 1964 tersburg (former Leningrad), Russia.

Diploma Thesis: Statistical Accuracy Analysis and Design of Analog-to-Digit Convereters.

Defended: December 19, 1964, St. Petersburg Electrotechnical University "LETI", St Petersburg (former Leningrad), Russia.

Degree conferred: Diploma Engineer in Mathematical Computing and Computer Engineering. Degree Certificate with Distinction: O No. 191118, St. Petersburg Electrical Engineering University "LETI", State Examination Commission Resolution, December 19, 1964, St Petersburg (former Leningrad), Russia.

3.2 Honors, Awards & Academic Titles

| Date | Classification | Issuer |
|------|---|--|
| 2009 | "Honoured Professor of Ulyanovsk State University" | Ulyanovsk State University, April 2009, Ulyanovsk, Russia. |
| 2008 | "Honoured Science and Technology Worker of Ulyanovsk Region" | Government of Lenin Order Ulyanovsk Region, November 2008, Ulyanovsk, Russia. |
| 2003 | "The PAGU Scholar Prizewinner" ¹⁾ | Middle Volga State Universities Associa- tion (PAGU), February 2003, Ulyanovsk, Russia. |
| 2003 | "The Liubischev Scholar Prizewin- ner" for Scientific Developments in Ecol- ogy, Technology and Humanities | Government of Lenin Order Ulyanovsk Region, January 2003, Ulyanovsk, Russia. |
| 2003 | "The Man of Year 2003" & Biograph- ical Entry in the book "2000 Outstand- ing Intellectuals of the 21 st Century"— 2nd Edition | International Biographical Centre, Cambridge CB2 3QP England. |
| 1999 | "Honorary Figure of Russian Higher Education" ²⁾ | President of the Russian Federation, Decree No. 878, July 6, 1999, Moscow, Russia. Certificate: 3 No. 100189. |
| 1993 | "Honorary Citizen of Oklahoma City" in the context of successful ne- gotiations for establishing the Russian- American College between Oklahoma City University and Lomonossov Moscow State University Branch in Ulyanovsk | Governor of the State Oklahoma, Oklahoma City, U.S.A, October 1993. |
| 1990 | "Professor of Mathematical Cyber- netics and Informatics" . Certificate: PR No. 006489 | The State Committee of the USSR for Public Education. Resolution No. 531/p, December 13, 1990, Moscow, Russia. |
| 1975 | "Docent of Computer Science". Cer- tificate: MDC No. 095049 | The Supreme Attestation Commission. Protocol No. 50/37, October 22, 1975, Moscow, Russia. |

¹⁾ PAGU, as abbreviated in Russian, stands for the Middle Volga State Universities Association.

²⁾ The Russian Federation's Outstanding Achievement Award in University Education.

4 Work History

4.1 University Professional Experience

| Tenure | e University | Position | Responsibilities |
|---------------|--|--|---|
| 2006– date | Ulyanovsk State University, ³⁾ Ulyanovsk, Russia. | Professor of Mathe- matics and Informa- tion Technologies. | Scholarly research, advising Ph.D. stu- dents, developing and teaching applied mathematics courses. |
| 1989– 2006 | Ulyanovsk State University, ³⁾ Ulyanovsk, Russia. | Professor of Mathematical Cybernetics and Informatics. | Scholarly research, advising Ph.D. stu- dents, developing and teaching applied mathematics courses. |
| 1988 - 1989 | Moscow State University Branch, Ulyanovsk, Russia. | Professor of Higher Mathematics and In- formatics. | Scholarly research and teaching applied mathematics courses. |
| 1985 - 1988 | Ulyanovsk State Tech University, Ulyanovsk, Russia. | Professor / Senior Lecturer of Computer Science. | Scholarly research, advising graduate students, and teaching computer science courses. |
| 1983– 1985 | Ulyanovsk State Tech University, Ulyanovsk, Russia. | SeniorResearchFellow,ComputerScienceDepartment. | Directing industry related projects and pursuance of research under the topic of doctoral dissertation. |
| 1971– 1983 | Ulyanovsk State Tech University, Ulyanovsk, Russia. | Senior Lecturer / Lecturer of Com- puter Science. | Scholarly research, advising graduate students, and teaching computer science courses. |

³⁾ Before July of 1996 Lomonossov Moscow State University Branch in Ulyanovsk.

4.2 Administrative Experience

| Tenure | University | Position | Responsibilities |
|---------------|---|--|---|
| 2006 - 2009 | Ulyanovsk State Uni- versity, Ulyanovsk, Russia. | Director - Organi- zer of Russian-Ame- rican Consortium. | Coordinating the cooperation be- tween the three universities (Samara - Ulyanovsk - Texas). |
| 1989– 2006 | Ulyanovsk State University, Ulyanovsk, Russia. | Head of Depart- ment of Mathemat- ical Cybernetics and Informatics. | Developing and leading the depart- ment, determining the course of- ferings, and developing the major curricula. |
| 1992– 2006 | Ulyanovsk State University, Ulyanovsk, Russia. | Head of the Lab of Mathematical Model- ing. | Leading the laboratory, determin- ing a research agenda, and directing projects. |
| 1990– 1991 | Lomonossov Moscow State University Branch in Ulyanovsk. | Dean , School of Ma- thematics and Me- chanics. | Developing a graduate program in Applied Mathematics, and faculty search and recruitment. |
| 1989– 1990 | Lomonossov Moscow State University Branch in Ulyanovsk. | Dean , Schools of Ma- thematics /Mechanics & Physics/Technology. | 1 0 0 |

4.3 Further Professional Experience

| Term | University | Position | Responsibilities |
|--------|------------------------------------|--------------------------------------|------------------------------------|
| Oct., | Gerhard Mercator | Guest Professor, Fach- | Presenting scientific research and |
| 2000 | University Duisburg, | bereich 11 Mathematik. | discussing collaborative projects |
| | Germany. | | |
| 1998 - | Russian / American | $\mathbf{Professor}^{5)}$ of Applied | Teaching a course of Linear Al- |
| 2002 | College ⁴⁾ , Ulyanovsk, | Mathematics. | gebra (in English). |
| | Russia. | | |
| 1995 - | Ulyanovsk State Uni- | $\mathbf{Professor}^{5)}$ of Applied | Teaching graduate and under- |
| date | versity of Technol- | Mathematics. | graduate courses and directing |
| | ogy, Ulyanovsk, Rus- | | Ph.D. dissertations. |
| | sia. | | |
| Oct., | Oklahoma City Uni- | Guest Professor, Math- | Lecturing in Recursive Least |
| 1993 | versity, Oklahoma, | ematics and Physics Divi- | Squares and negotiating for or- |
| | the U.S.A. | sion. | ganizing the Russian / American |
| | | | $College^{4)}$. |

⁴⁾ Within the structure of Ulyanovsk State University, Ulyanovsk, Russia.

⁵⁾ A part-time position.

4.4 Present Full-Time Position

Professor

Department of IT, School of Mathematics and Information Technology Ulyanovsk State University Ulyanovsk, Russia

5 Teaching

| Institution | Term | Course | $\mathrm{Hpw}^{6)}$ |
|-----------------------------|-------------|-------------------------------|---------------------|
| | 2012–date | Basics of Research | 3 |
| | 2007 - 2011 | Decision Science | 3 |
| | 2005 - 2012 | Basic Modeling | 3 |
| | 2004 - 2012 | Discrete Mathematics | 3 |
| | 2003 - 2012 | Linear Programming | 3 |
| | 2003 - 2012 | Methods of Optimization | 3 |
| Ulyanovsk State University, | 2001-date | Computational Mathematics | 3 |
| Ulyanovsk, Russia | 1997-date | Numerical Methods | 3 |
| | 1998 - 2006 | Recursive Least Squares | 3 |
| | 1995 - 2006 | Modern Control Systems | 4 |
| | 1992 - 1993 | Statistical Decision Theory | 3 |
| | 1990 - 1996 | Numerical Linear Algebra | 3 |
| | 1989-date | Stochastic Models, Estimation | 5 |
| | | and Control | |

6) Hours per week.

| Institution | Term | Course | $\mathrm{Hpw}^{6)}$ |
|--|-------------|-------------------------------|---------------------|
| Oklahoma City University, | Oct., 1993 | Computational Techniques of | 3 |
| Oklahoma City, U.S.A. | | Recursive Least Squares | |
| | 2013–date | Research Typesetting Systems | 3 |
| | 2011-date | Modeling | 3 |
| | 2011-date | Complex Systems Modeling | 3 |
| | 1998 - 2000 | Control Theory | 3 |
| Ulyanovsk State Technical | 1996-date | Numerical Methods | 3 |
| University, Ulyanovsk, Rus- | 1996 - 2012 | Optimization Methods | 3 |
| sia | 1997 - 1998 | Stochastic Models | 4 |
| | 1996 | Trends in Modern Computers | 2 |
| | 1985 - 1988 | Error Detecting for Computers | 2 |
| | 1985 - 1988 | Digital Automata Theory | 3 |
| | 1971 - 1988 | Computer Theory and Design | 4 |
| Russian / American College ⁷⁾ | 1998 - 2002 | Linear Algebra (in English) | 4 |

6) Hours per week.

⁷⁾ Within the structure of Ulyanovsk State University, Ulyanovsk, Russia.

6 Interdisciplinary Research

6.1 Fields of Interest (2000 Mathematics Subject Classification)

| 62-xx Sta | 62-xx Statistics | | merical analysis | |
|-----------|--|------------------|--------------------------------|--|
| 62F03 | Hypothesis testing | 65C20 | Models, numerical methods | |
| 62J20 | Diagnostics | 65Fxx | Numerical linear algebra | |
| 62L10 | Sequential analysis | 65Pxx | Numerical problems | |
| 62M20 | Prediction; filtering | | in dynamical systems | |
| 93-xx Sy | stems theory; control | 90Cxx Ma | athematical programming | |
| 93 Exx | Stochastic systems and control | $90\mathrm{C}05$ | Linear programming | |
| 93Bxx | Controllability, observability, | 90C31 | Sensitivity, stability, | |
| | and system structure | | parametric optimization | |
| 97Dxx Ed | 97Dxx Education and instruction in math- | | 97Uxx Educational material and | |
| en | natics | me | edia. Educational technology | |
| 97D40 | Teaching methods and class- | 97U40 Pro | oblem books; student competi- | |
| | room techniques. Lesson | tio | ns, examination questions | |
| | preparation. Educational prin- | | | |
| | ciples | | | |
| 97D50 | Teaching problem solving and | 97U70 Teo | chnological tools (computers, | |
| | heuristic strategies | cal | culators, software, etc.) and | |
| | | $	h\epsilon$ | eir use in the classroom | |

6.2 Past Research

Mostly on stochastic systems and control theory, modeling of uncertain systems and signals, including those with unforeseen changes in their characteristics, and application of the theory to separately or jointly performed state estimation, change detection and parameter identification in a statistical framework.

6.3 Industry Related Projects

| Term | Project Title | Supported by |
|--------|--|---|
| 2013- | CLASS-M (Computational Laboratory | Russian Foundation for Basic Research |
| date | for Adaptive Stochastic Systems Model- | |
| | ing) | |
| 1988 - | The Quickest Detection of Changes in the | Ministry of Shipbuilding Industry, |
| 1992 | Models of Vehicle Motion | Russia Federation |
| 1984 - | Inertial Navigation System Error Sources | Ministry of Aerospace Instrumentation |
| 1988 | Identification | Industry, Russia Federation |
| 1968 - | Adaptive Filtering in Radio-Navigation | Ministry of Electronic Industry, Russia |
| 1970 | Systems | Federation |

7 Activities

7.1 Developed Initiatives

| Term | Role | Initiative Title | Result |
|---------------|--|---|--|
| 2012– 2012 | Guest Editor | Special Issue on Models, Algorithms and Applications (MAA) of International Journal of Communications, Network and System Sciences published by Scientific Research Publishing (SCIRP) | Volume 5, Number 9A, September 2012 (Special Issue on Mod- els and Algorithms for Applications) |
| 2006 - 2007 | Co-author | Consortium of Three Universities: Ko- rolev Samara State Aerospace University (SSAU) Samara, Russia, and Ulyanovsk State University (USU) Ulyanovsk, Rus- sia, and Texas Tech University (TTU) | Memorandum of Agreement has been signed by all three parties |
| 2005 | International Co-Chair for Russia, Focus Symposium Organizer | Concurrent Engineering CE-2005 Fo- cus Symposium on "Recursive Dynam- ics and Iterated Mappings in Ser- vice Modeling and Design" 25–29 July, 2005, Renaissance Worthington Hotel, Ft. Worth/Dallas, USA | Organized Focus- Symposium at the 12 th International Conference CE-2005 (19 papers accepted) |

| Term | Role | Initiative Title | Result |
|---------------|--|---|---|
| 2004 | Member of the IPC, Mini- Symposium Co-organizer | "ECCOMAS-2004 Mini-Symposium on Dynamic and Evolutionary Methods in Replication-Selection Systems". 4 th Euro- pean Congress on Computational Mathe- matics in Applied Sciences, ECCOMAS- 2004, July 24–28, 2004, Jyväskylä, Fin- land | Organized Mini- Symposium at the 4 th ECCOMAS (12 papers accepted) |
| 2004 | Member of the IPC, Reviewer | Membership in the IPC of the 11 th ISPE International Conference on Concurrent Engineering CE-2004, – Beijing, China | 8 papers reviewed |
| 2004 | Co-leader | SCALE (Stochastic, Cybernetic and Adaptive Logistic Engineering). The ini- tiative united 19 universities of the seven countries (Hungary, Italy, Poland, Russia, Romania, USA, Finland). | Focus Symposium at CE-2005 |
| 2003 | Member of the IPC, Workshop Organizer | Workshop on Recursive and adaptive sig- nal/image processing - RASIP. The 3d In- ternational Conference on Computational Science, - St. Petersburg, Russia, and Melbourne, Australia | Organized the Work- shop (11 papers accepted) |
| 2003 | Member of the IPC, Workshop Organizer | Workshop on Concurrent Engineering for Addressing Uncertainty. The 10th ISPE International Conference on Concurrent Engineering, - Madeira, Portugal | Organized the Work- shop (8 papers accepted) |
| 1993 | Negotiator | Russian / American College in the stuc- ture of Lomonossov Moscow State Univer- sity Branch at Ulyanovsk | Established in 1995. Transformed into Rus- sian / American Fac- ulty of the Ulyanovsk State University in 2000 |
| 1986– 1988 | Member of the working group | Establishing the Lomonossov Moscow State University Branch at Ulyanovsk | Established in 1988. Transformed into the Ulyanovsk State Uni- versity in 1996 |

7.2 Memberships in Professional Organizations

| 2013-date | Global World Communicator (GWC). Education and Science, Council Member |
|-----------|--|
| 2012-date | IEEE Membership |
| 2010-date | Editorial Board Membership, International Journal of Communications, Network |
| | and System Sciences, a journal published by Scientific Research Publishing (SCIRP) |
| 2008-date | Machine Intelligence Research Labs (MIR Labs) Membership for Russia |
| 2000–date | American Mathematical Society (AMS) Membership |

7.3 Memberships in Dissertation Committees

| 2001–date | Dissertation Committee D 212.278.02 on Mathe- matical Modeling, Numerical Methods and Inte- grated Software | Ulyanovsk State University, Ulyanovsk, Russia |
|------------------------|--|--|
| 2001-2012 | Dissertation Committee D 212.277.02 on Mathe- matical Modeling, Numerical Methods and Inte- grated Software | Ulyanovsk State Tech University, Ulyanovsk, Russia |
| 2001-2004 | Dissertation Committee K 212.278.03 on Theory and Methods of Vocational Education | Ulyanovsk State University, Ulyanovsk, Russia |
| 1998–2000 | Dissertation Committee K 053.37.06 on Mathe- matical Modeling, Numerical Methods and Inte- grated Software | Ulyanovsk State University, Ulyanovsk, Russia |
| 1997–2000 | Dissertation Committee K 064.21.03 on Applica- tions of Computers, Mathematical Modeling and Mathematical Methods in Scientific Research | Ulyanovsk State Tech University, Ulyanovsk, Russia |
| 1990-2000 | Dissertation Committee D 064.21.01 on Informa- tion and Computer Aided Design Systems | Ulyanovsk State Tech University, Ulyanovsk, Russia |
| 1994–2000 (Chair up | Dissertation Committee K 053.37.03 on Mathe- matical Cybernetics, Mathematical Logic, Alge- | Ulyanovsk State University, Ulyanovsk, Russia |
| (Chair up to 1997) | bra and Number Theory | Olyanovsk, itussia |

7.4 Directing Ph. D. dissertations of My Post-Graduate Students

| $Y_{0}D^{(8)}$ Ph.D. Student | Thesis Title Specialty Date of defense Diploma $\#$ |
|------------------------------|--|
| 2014 Kliment V. Zakharov | Title: Ship Maneuver Detection with Considera- tion of Indirect Attributes Specialty: 05.13.18— Mathematical Mogeling, Numerical Methods and In- tegrated Software DoD: Tentatively 26.03.2014 Diploma #: TBA |
| 2010 Alexander I. Moiseev | Title: Mathematical Modeling of the Littoral Observation System Placement Specialty: 05.13.18— Mathematical Mogeling, Numerical Methods and Integrated Software DoD: 23.12.2010 Diploma #: DKN $\#$ 134695 of 13 May 2011, $\#$ 20/44 |
| 2010 Ilia S. Yastrebov | Title: 05.13.18—Mathematical Models and Implemen- tation of the Role-Context Based Access Guarding for a Distributed Physical Experimentation Control Sys- tem Specialty: Mathematical Mogeling, Numerical Methods and Integrated Software DoD: 23.12.2010 Diploma: DKN #131968 |

⁸⁾ Year of defence.

| 2007 | Maria | A. Fedorova | Title: Computational and Evolutionaty Methods in Stochastic Systems with Detection and Adaptation Specialty: 01.01.09—Discrete Mathematics and Math- ematical Cybernetics DoD: 07.11.2007 Diploma: DKN # 052033 |
|------|----------|---------------|---|
| 2005 | Olga | A. Fat'yanova | Title: Auxiliary Performance Indices and Stabil- ity in Stochastic Identification Problems Specialty: 05.13.18—Mathematical Mogeling, Numerical Methods and Integrated Software DoD: 16.06.2006 Diploma: DKN # 00661 |
| 2005 | Alexey | E. Kondrat'ev | Title: Diagnosis Methods for Stochastic Adap- tive Systems Construction Specialty: 05.13.18— Mathematical Mogeling, Numerical Methods and Inte- grated Software DoD: 16.06.2006 Diploma: DKN # 006617 |
| 2005 | Vladimir | V. Ugarov | Title: Computer Models and Program Packages in Project-based Learning Specialty: 05.13.18— Mathematical Mogeling, Numerical Methods and Inte- grated Software DoD: 22.12.2005 Diploma: KT # 180745 of 12.05.2006 |
| 2005 | Maria | V. Kulikova | Title: Methods for Logarithmic Likelihood Function and Its Gradient Computation in the Kalman Filtering Algorithms Specialty: 01.01.09—Discrete Mathemat- ics and Mathematical Cybernetics DoD: 22.12.2005 Diploma: KT # 174691 |
| 2002 | Oleg | Yu. Gorokhov | Mathematical Cybernetics & Discrete Mathematics |
| 2000 | Julia | V. Tsyganova | Mathematical Cybernetics & Discrete Mathematics |
| 1998 | Victor | V. Taratukhin | Information and Computer Aided Design Systems |
| 1997 | Leonid | V. Kalinin | Applications of Computers, Mathematical Modeling and Mathematical Methods in Scientific Research |
| 1997 | Eugene | V. Dulov | Mathematical Cybernetics & Discrete Mathematics |
| 1996 | Anatoli | G. Skovikov | Applications of Computers, Mathematical Modeling and Mathematical Methods in Scientific Research |
| 1992 | Sergei | V. Vershinin | Information and Computer Aided Design Systems |

⁸⁾ Year of defence.

8 Funding Received

• 2014-2015

Classification: Research grant "Providing Educational Process with the Effective Tools for Active Learning of Difficult Disciplines of Information and Computing Technologies."

Sponsor: Russian Foundation for Basic Research, project No. 14-07-00665.

• 2013–2014

Classification: Research grant "Active Principle of Adaptation-Based Human Body Thermal Homeostasis Adaptive Stochastic Modeling."

Sponsor: Russian Foundation for Basic Research, project No. 13-01-9703513.

• 2004

Classification: Research grant "COMBINE-for-PACE. Component Based Integration Environment: Performance Assessment of a Complex Enterprise."

Sponsor: The European Commission. A program of EU-RU RTD cooperation: FP6, IST, project ADMIRE-P.

• 2003–2004

Classification: Research grant "Solutions to the Joint Problems of Fault Detection, Diagnosis, Identification, and Parring in Stochastic Control Systems."

Sponsor: Ministry for Education of the Russian Federation. Project No. T02-03.2-3427.

• 2002–2003

Classification: Research grant "Improving Efficiency of Identification Methods for Discrete Stochastic Adaptive Systems" to support post-graduates' studies in the Russian Federation universities (post-graduate student O. A. Fatyanova).

Sponsor: Ministry for Education of the Russian Federation. Project No. A03-3.16-414.

• 2002–2003

Classification: Research grant "Iterative Three-stage Re-design for Discrete Stochastic Adaptive Systems with the Control Input" to support post-graduates' studies in the Russian Federation universities (post-graduate student A. E. Kondratiev).

Sponsor: Ministry for Education of the Russian Federation. Project No. A03-3.16-409.

• 2002

Classification: Travel Grant to participate in Concurrent Engineering Conference, CE-2002, 27–31 July, 2002, Cranfield, United Kingdom

Sponsor: International Science and Technology Center, Moscow, Travel Support Program, Project No. TSP-EU-029-030/2002

• 2002

Classification: Travel Grant to participate in the 2d International Conference on the Teaching of Mathematics (at the undergraduate level), ICTM-2, 1–6 July 2002, Hersonissos, Crete, Greece

Sponsor: Russian Foundation for Basic Research, Project No. 02-01-10751

• 2000

Classification: Travel Grant to participate in the European Congress on Computational Methods in Applied Sciences and Engineering, ECCOMAS-2000, 11–14 September 2000, Barcelona, Spain

Sponsor: Russian Foundation for Basic Research, Project No. 00-01-10874

• 1999

Classification: Travel Grant to participate in the 3rd European Conference on Numerical Mathematics and Advanced Applications, ENUMATH-1999, 26–30 July 1999, Jyväskylä, Finland

Sponsor: Russian Foundation for Basic Research, Project No. 99-01-10717

• 1992–1996

Classification: Research Scholarship within the 1st National Program "Universities of Russia"

Sponsor: Russia Federation Committee for the Highest Education, Project: Nonlinear Dynamical Systems, No. NDS-34

• 1983–1985

Classification: Senior Research Scholarship to complete doctoral dissertation research

Sponsor: Ulyanovsk State Polytechnical Institute, Ulyanovsk, Russia

9 List of Publications

Available upon request.

10 Leisure Activities

- ▷ Music: Classic. Member of the Ulyanovsk Philharmonic Society Friends League
- \triangleright Books: English reading & audition
- \triangleright Sports: Swimming and skiing

11 References

Available upon request.

Date: January 17, 2014

Signature: Reun