

CURRICULUM VITAE

Family Name: Ivanova
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PROFESSIONAL EXPERIENCE

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| 2008–till now | Senior Researcher, Department of Applied Research, Institute of Mathematics, Kyiv, Ukraine |
| 2009–2011 | Visiting Researcher, Department of Mathematics and Statistics, University of Cyprus, Nicosia, Cyprus |
| 2007–2008 | Scientific Researcher, Department of Applied Research, Institute of Mathematics, Kyiv, Ukraine |
| 2006 | Junior Research Fellow, International Erwin Schrodinger Institute for Mathematical Physics, Vienna, Austria |
| 2005–2006 | Postdoctoral Fellow, Department of Mathematics, University of British Columbia, Vancouver, Canada |
| 2004–2007 | Junior Researcher, Department of Applied Research, Institute of Mathematics, Kyiv, Ukraine |

EDUCATION

• Undergraduate and graduate studies

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| <u>Institution:</u> | Department of Mechanics and Mathematics, Kyiv National Taras Shevchenko University, Ukraine (1996–2001) |
| <u>Degree:</u> | Bachelor of Sciences in Mathematics (2000) |
| <u>Field of Study:</u> | Mathematics |
| <u>Thesis:</u> | “Integral transformations for boundary value problems” (University Degree with Distinction) |
| <u>Thesis advisor:</u> | Dr. A.V. Loveykin |
| <u>Degree:</u> | Master of Sciences in Mathematics (2001) |
| <u>Field of Study:</u> | Mathematics |
| <u>Thesis:</u> | “Group classification of the nonlinear Schrödinger equations” (University Degree with Distinction) |
| <u>Thesis advisor:</u> | Prof. A.G. Nikitin |

- **Postgraduate study**

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| <u>Institution:</u> | Department of Applied Research, Institute of Mathematics of the National Academy of Sciences of Ukraine (2001–2004) |
| <u>Degree:</u> | Ph.D. in Mathematical Physics (2005) |
| <u>Field of Research:</u> | Integrability; symmetry analysis of non-linear partial differential equations (PDEs); potential symmetry and conservation laws of PDEs; algebraic methods in mathematical physics |
| <u>Thesis:</u> | “Classification problems for nonlinear diffusion–convection and Schrödinger equations” |
| <u>Supervisor:</u> | Prof. A.G. Nikitin |

PRIZES AND AWARDS

- Grant of the Cyprus Research Promotion Foundation (project number ΠΡΟΣΕΛΚΥΣΗ/ΠΡΟΝΕ/0308/01)
- Prize of Verhovna Rada (Parliament of Ukraine) for the most talented young scientists in the area of fundamental and applied research (2008)
- Scholarship of the President of Ukraine for young scientists (2008–2009)
- Grant of the President of Ukraine for young scientists (2006, 2008)
- Scholarship for young scientists of National Academy of Sciences of Ukraine (2006–2008)
- Junior Research Fellowship, International Erwin Schroedinger Institute for Mathematical Physics, Vienna, Austria (2006)
- Postdoctoral Fellowship, Department of Mathematics of the University of British Columbia, Vancouver, Canada (2005–2006)
- Grant of Presidium of NAS of Ukraine for young scientists (2003–2004)
- Additional stipend for excellent students, Kyiv National Taras Shevchenko University, Ukraine (1997–2001)

TEACHING EXPERIENCE

- Teacher of Mathematics, School N 87, Kyiv (2000–2001);
- Lecturer of Department of Mathematics at the Polytechnical Lyceum of the National Technical University of Ukraine “KPI” (2001–2003);
- Lecturer of Department of Mathematics at the National Aviation University, Kyiv, Ukraine (2002–2003);
- Instructor at the Department of Mathematics of the University of British Columbia, Vancouver, Canada (2005–2006).

PARTICIPATION AT CONFERENCES

- 2nd–5th Workshops *Group Analysis of Differential Equations and Integrable Systems*, University of Cyprus, Nicosia, Cyprus, 2006, 2007; Protaras, Cyprus, 2008, 2010
- 12th *Meeting of Cyprus Mathematical Society*, Paphos, Cyprus, 2010
- 4th–8th International Conferences *Symmetry in Nonlinear Mathematical Physics*, Institute of Mathematics, Kyiv, Ukraine, 2001, 2003, 2005, 2007, 2009
- *Advances in Group Theory and Applications*, Porto Cesareo, Lecce, Italy, 2009
- Workshop on *Representation Theory*, University of Cyprus, Nicosia, Cyprus, 2009
- *Similarity: Generalization, Application and Open Problems*, Pacific Institute for Mathematical Science and University of British Columbia, Vancouver, Canada, 2008
- *Transformation Groups*, Independent Moscow University, Moscow, Russia, 2007
- Fourth International Symposium *Quantum Theory and Symmetries*, Institute of Nuclear Research and Nuclear Energy, Varna, Bulgaria, 2005
- International Workshops on *Classical and Quantum Integrable Systems*, Joint Institute for Nuclear Research, Dubna, Russia, 2004, 2005

- Tenth International Conference *Modern Group Analysis*, Larnaca, Cyprus, 2004
- Third Summer School on Mathematical Physics, Zlatibor, Serbia and Montenegro, 2004
- Second Winter School on Theoretical Physics, Joint Institute for Nuclear Research, Dubna, Russia, 2004
- Fifth International Conference *Avia-2003*, National Aviation University, Kyiv, Ukraine, 2003

RESEARCH VISITS

- Institute of Applied Mathematics in Science and Engineering, Universidad de Castilla-La Mancha (Ciudad Real, Spain, 2008)
- Department of Mathematics and Statistics, University of Cyprus (Nicosia, Cyprus, 2003, 2004, 2006, 2007, 2008)
- Department of Mathematics, Brock University (St. Catharines, ON, Canada, 2005, 2006)
- Department of Mathematics and Statistics, Dalhousie University (Halifax, NS, Canada, 2006)
- Centre de Recherches Mathematiques, Universite de Montreal (Monreal, Canada, 2006)
- Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research (Dubna, Russia, 2004)

EDITORIAL ACTIVITIES

- Associate Editor, Applied Mathematics and Computations (since 2010)
- N.M. Ivanova, P.G.L. Leach, R.O. Popovych, C. Sophocleous and P.A. Damianou (Editors), Proceedings of 5th Workshop "Group Analysis of Differential Equations and Integrable Systems" (6–10 June 2010, Protaras, Cyprus), 240 pp.

- Ivanova N.M., Popovych R.O., Sophocleous C., Damianou P. and Nikitin A.G. (Editors), Proceedings of 4th Workshop "Group Analysis of Differential Equations and Integrable Systems" (26–30 October 2008, Protaras, Cyprus), 256 pp.

REFEREE

- Acta Mechanica
- Applied Mathematics and Computations
- Applied Mathematics Letters
- Archives of Mechanics
- Inverse Problems
- International Journal of Differential Equations
- Journal of Mathematical Analysis and Applications
- Journal of Mathematical Physics
- Journal of Physics A: Mathematical and General
- Mathematical Modelling and Analysis. The Baltic Journal on Mathematical Applications, Numerical Analysis and Differential Equations
- Mathematical Problems in Engineering
- Nonlinear Analysis: Modelling and Control
- Physica A: Statistical Mechanics and its Applications
- Physica D: Nonlinear Phenomena
- Symmetry, Integrability and Geometry: Methods and Applications

REVIEWER

- Zentralblatt MATH
- MathSciNet

ORGANIZATION OF CONFERENCES

- Member of Organizing Committee of the 1st–5th International Workshop “Group Analysis of Differential Equations and Integrable Systems” (Nicosia, Cyprus, 2005, 2006, 2007; Protaras, Cyprus, 2008, 2010)
- Member of Local Organizing Committee of the 4th–8th International Conferences “Symmetry in Nonlinear Mathematical Physics” (Kyiv, Ukraine, 2001, 2003, 2005, 2007, 2009)
- Member of Team of Support of Tenth International Conference in Modern Group Analysis “MOGRAN X” (Larnaca, Cyprus, 2004)

OTHER ACTIVITIES

- Copy-Editor of Proceedings of Tenth International Conference in Modern Group Analysis “MOGRAN X”
- Corrector of Proceedings of the Fifth International Conference “Symmetry in Nonlinear Mathematical Physics”
- Member of the board of adjudicators of mathematical section of the Competition of Academy of Science for schoolchildren (Kyiv, Ukraine, 2002)