

CURRICULUM VITAE

Personal

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Areas of Research

Elliptic and parabolic partial differential equations;
Theory of homogenization;
Linear and nonlinear eigenvalue problems in perforated domains;
Fluid dynamics.

Education

12 March 2003 Ph.D. in Mathematics, Institute of Applied Mathematics and Mechanics,
National Academy of Sciences of Ukraine, Donetsk, Ukraine
Title of Ph.D. Thesis: "The eigenvalues of variation elliptic problems
in perforated domains."
Scientific Advisor : Professor I.V. Skrypnik
30 June 1998 M.Sc. in Mathematics, diploma with honor, Donetsk State University, Donetsk
Title of masters thesis: "Boundary value problem for nonlinear elliptic
equation in domain with a finely granulated boundary."
Scientific Advisor : Professor I.V. Skrypnik

Professional Experience

01.09.2009 - 01.09.2012 Researcher working for Doctor's degree, Department of Nonlinear Analysis,
Institute of Applied Mathematics and Mechanics of NAS
of Ukraine, Donetsk,
2007 - 2009 Researcher, Department of Nonlinear Analysis,
Institute of Applied Mathematics and Mechanics of NAS
of Ukraine, Donetsk,
01.09.2007 - pr., 2004 - 2005 Assistant Professor (partially), Donetsk National University, Donetsk,
2003 - 2007 Junior Researcher, Department of Nonlinear Analysis,
Institute of Applied Mathematics and Mechanics of NAS
of Ukraine, Donetsk,
2001 - 2003 Engineer, Department of Nonlinear Analysis,
Institute of Applied Mathematics and Mechanics of NAS
of Ukraine, Donetsk,
1998 - 2001 Post-graduate student, Institute of Applied Mathematics
and Mechanics of NAS of Ukraine, Donetsk.

Conferences and Workshops

- 2010, September International Conference "Nonlinear Differential Equations"
Verbania, Italy;
- 2010, July International Conference "Differential Equations and Dynamical Systems"
Suzdal, Russia (invited talk);
- 2009, December International Conference "Conference on Elliptic and Parabolic Equations"
Berlin, Germany (invited talk);
- 2009, May International Conference "VI European Conference on Elliptic and Parabolic
Problems" Gaeta, Italy;
- 2008, June Summer School "Evolution Equations"
Prague, Czech Republic;
- 2008, June International Conference "Free Boundary Problems"
Stockholm, Sweden;
- 2007, September International Conference "Nonlinear Partial Differential Equations"
Yalta, Ukraine;
- 2006, September Workshop on Geomaterials, Jindřich Nečas Center for Mathematical
Modelling, Prague, Czech Republic;
- 2006, February International Conference "Topical Problems of Fluid Mechanics",
Prague, Czech Republic;
- 2005, September International Conference "Nonlinear Partial Differential Equations"
Alushta, Ukraine;
- 2005, August "The 15-th Jyväskylä Summer School"
Jyväskylä, Finland;
- 2004, May International Conference "Differential Equations and Related Topics"
dedicated to I.G.Petrovskii, Moscow, Russia,
- 2003, September 6th Conference for Young Scientists "Operator Theory"
Krakow, Poland;
- 2003, September International Conference "Nonlinear Partial Differential Equations"
Alushta, Ukraine;
- 2001, October International Conference "New Approaches to the Solution
of Differential Equation", Drogobych, Ukraine;
- 2001, September International Conference "Nonlinear Partial Differential Equations"
Kyiv, Ukraine;
- 1999, September International Conference "Nonlinear Partial Differential Equations"
Lviv, Ukraine.

Fellowships

- 01.09.2006 - Young Researcher, Nečas Center of Mathematical modelling,
31.10.2006 Prague, Czech Republic;
- 03.02.2005 - Member of the Visiting Research Fellowship program of
03.03.2005 Central European University, Budapest, Hungary;

Postdocs

01.10.2005 - 31.03.2006 Researcher, Department of Qualitative Methods of Mathematical Analysis, Mathematical Institute of the Academy of Sciences of the Czech Republic, Prague, Czech Republic.

Invited stays

Mathematical Institute of the Academy of Sciences of the Czech Republic, Prague, Czech Republic,
2007, December (1 week);
2008, April, (1 week); June, (1 week);
2009, May (1 week); November (1 month);
2010, September (1 week).
2011, February (1 week).

Other Activities

2010 - Refereeing papers for *Applicable Analysis An International Journal*
2001 - 2003 Vice-scientific secretary of International Conferences "Nonlinear Partial Differential Equations"
2004 - 2005 Scientific secretary of International Conferences "Nonlinear Partial Differential Equations"

Grants and International Cooperation

January, 2011 - December, 2013 Member of research project "Homogenization of the first boundary value problems for elliptic and parabolic anisotropic equations in domains with fine-grained boundary" in the framework between NAS of Ukraine and AS of the Czech Republic, jointly with Prof. I. Skrypnik, Prof. S. Necasova, Prof. A. Kufner;
October - November, 2010 Grant from the Russian Foundation for Basic Research in the framework of the programm "Mobility of the young scientists from CIS in Russian scientific organizations", joint project with Prof. V.V. Zhikov;
January, 2008 - December, 2010 Member of research project "Homogenization of the first boundary value problems for elliptic and parabolic anisotropic equations in domains with fine-grained boundary" in the framework between NAS of Ukraine and AS of the Czech Republic, jointly with Prof. I. Skrypnik, Prof. S. Necasova, Prof. A. Kufner;
July, 2003 - December, 2004 Leader of grant of the National Academy of Sciences of Ukraine for young scientists "The investigation of the free boundary problems for quasilinear parabolic equations and the study of the asymptotic behavior to the Dirichlet eigenvalue problem in perforated domains of general structure", jointly with Dr. N. Vasyliyeva, Dr. R. Taranets.

Scholarships and Awards

- November, 2009 The Prize of the President of Ukraine for young scientists, for the series of works "Investigation of solutions of the boundary value problems for elliptic and parabolic equations in non-canonical domains", jointly with Dr. A. Loveykin, Dr. I. Romanenko;
- October, 2004 - September, 2006 The scholarship of the President of Ukraine for young scientists;
- May, 2003 - March, 2004 The scholarship of National Academy of Science of Ukraine for young scientists;
- May, 2002 Ya.B.Lopatinsky Prize of the Institute of Applied Mathematics and Mechanics of NAS of Ukraine, jointly with Dr. D. Larin.

Invited Seminar Talks

- 2010, November Steklov Mathematical Institute of the Russian Academy of Sciences, St. Petersburg, Russia,
- 2010, November Moscow State University, Moscow, Russia,
- 2010, October Bauman's Moscow State Technical University, Moscow, Russia,
- 2010, October Vladimir State Humanitarian University, Vladimir, Russia,
- 2009, November Mathematical Institute of the Academy of Sciences of the Czech Republic, Prague, Czech Republic,
- 2008, April Mathematical Institute of the Academy of Sciences of the Czech Republic, Prague, Czech Republic,
- 2007, October Institute of Mathematics, Kiev, Ukraine.
- 2006, October The Nečas Center of Mathematical modelling, Prague, Czech Republic,
- 2006, February University of Vest Bohemia, Plzen, Czech Republic,
- 2005, November Mathematical Institute of the Academy of Sciences of the Czech Republic, Prague, Czech Republic,
- 2005, February Central European University, Budapest, Hungary,
- 2002, December Taras Shevchenko National University, Kiyv, Ukraine.