

DR. IVAN OVSYANNIKOV

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EMPLOYMENT HISTORY

Jacobs University Bremen, <http://jacobs-university.de/>

Feb 2015 – Oct 2016. External lecturer.

Reading lecture courses in Linear Algebra, Probability, Statistics and Programming

University of Bremen, <http://www.uni-bremen.de/>

Oct 2014 - present. Postdoctoral Researcher.

Research in Dynamical Systems. Lectures in Dynamical Systems. Tutorial sessions. Supervision of undergraduate students. Co-supervision of PhD students.

Imperial College London, <http://www.imperial.ac.uk>

Feb 2013 – Sep 2014. Research Fellow.

Research in Dynamical Systems. Lectures in Dynamical Systems and Bifurcation Theory. Supervision of undergraduate students.

Nizhny Novgorod State University, <http://pmk.unn.ru/>

June 2012 – Feb 2013. Researcher, Institute of Applied Mathematics and Cybernetics. Research in Dynamical Systems. Teaching material development.

Mera NN, <http://www.meranetworks.com>

Feb 2006 – Feb 2013. Software Engineer/IT Consultant

Software development and support of a real-time telecommunications system. Databases conversion and migration. 24x7 pager support. Newcomers training. Knowledge transfer lectures

Nizhny Novgorod State University, <http://www.unn.ru/eng/>

Jul 2003 – June 2012. Software Engineer/Temporary Lecturer,

Department of Mathematics

Teaching mathematical and programming courses (lecture and tutorial sessions).

EDUCATION

22 Dec 2011. Nizhny Novgorod State University

PhD in Dynamical Systems.

Sep 2001 – Jul 2003. Nizhny Novgorod State University

MSc in Radiophysics.

Sep 1997 – Jul 2001. Nizhny Novgorod State University

BSc in Radiophysics.

GRANTS AND AWARDS

Intel research stipend (2001-2002), 1500 USD.

Imperial College Research Impulse grant (conference visits 2013, 2014; 1000 GBP each)

University of Bremen Research Impulse grant (conference visit 2015, 1100 Euro; Winter School organisation, 2016; 1700 Euro)

DAAD travel grant (conference visit, 2016; 2100 Euro)

University of Bremen M8 Postdoc Initiative grant (2016; 2500 Euro)

SEMINAR TALKS

1. *Sistemas Dinamics UB-UPC*, Universitat de Barcelona, Spain, 08.02.12.

2. Shilnikov Workshop - 2013, NNSU, Nizhny Novgorod, Russia, 17.12.13.

3. *PANDA meeting*, University of Bath, UK, 03.06.14.

4. *Dynamical Systems and PDEs seminar*, University of Surrey, UK, 12.06.14.

5. Oberseminar *Nichtlineare Dynamik*, University of Potsdam, 15.06.2015.

6. Oberseminar *Nonlinear Dynamics*, WIAS Berlin, 03.11.15.

7. Seminar *Advanced Topics in Nonlinear Dynamics*, FU Berlin, 05.11.15.

8. AG Dynamical Systems seminar, University of Hamburg, 18.11.15.

9. Seminar *Computer-aided proofs in analysis*, University of Uppsala, Sweden,

19.01.16.

10. *Lefschetz Center for Dynamical Systems Seminar*, Brown University, USA, 06.07.16.

11. *Special Physical Oceanography Department Seminar*, Woods Hole Oceanographic Institute, Woods Hole, USA, 07.07.16.

12. SFB 910 symposium "Chaotic Dynamics", TU Berlin, 25.11.16

Bremen Winter School, March 14-18, 2016 <http://www.wis-chaos.math.uni-bremen.de/>.

ORGANISATION OF EVENTS

International Conference Dynamics, Bifurcations and Strange Attractors, Nizhny Novgorod, Russia, July 18-22, 2016, <http://nonlin.unn.ru/en>.

Symposium "Mathematics, waves and geophysical flow", Bremen, December 15-16, 2016, <http://www.anan.math.uni-bremen.de/events/symposium16/>

CONFERENCES

1. The International Conference on Differential Equations and Dynamical Systems, Suzdal, 2004 July 5-10. Session talk

2. Russian national conference "Dynamical systems, control and nanomechanics", Izhevsk, 2009. Session talk.

3. IUTAM Symposium "From Mechanical to Biological Systems - an Integrated Approach", Izhevsk, 2012 June 05-10. Poster talk.

4. The International Conference on Differential Equations and Dynamical Systems, Suzdal, 2012 June 29-July 4. Session talk.

5. International conference "Dynamics, Bifurcations and Strange Attractors" dedicated to the memory of L.P. Shilnikov, Nizhny Novgorod, Russia, July 01 - 05, 2013. Session talk.

6. The 10th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Madrid, Spain July 07 - 11, 2014. Session talk.

7. SIAM Conference on Applications of Dynamical Systems, 2015, May 16-22. Organiser of a minisymposium "Chaos and Strange Attractors".

8. The 11th AIMS Conference on Dynamical Systems, Differential Equations and Applications, 2016, July 1-5, Orlando, FL, USA. Organiser of a special session "Global bifurcations and complex dynamics". Session talk.

9. Patterns of Dynamics, Free University Berlin, July 25-29, 2016. Session talk.

10. SIAM Conference on Applications of Dynamical Systems, 2017, May 21-25. Organiser of a minisymposium "Global bifurcations and their applications".

MEMBERSHIP

Member of the DFG Collaborative Research Centre TRR 181 "Energy Transfer in Atmosphere and Ocean" – since 2016.

TEACHING

I taught courses for undergraduate students on Differential Equations, Linear Algebra, Probability Theory, Numerical Methods, Programming (2003 - 2012) at Nizhny Novgorod State University.

I developed and taught a course on Olympiad mathematical problems for high school students in 2003-2011.

In 2013-2014 I gave substitution lectures on Dynamical Systems and Bifurcation Theory and supervised undergraduate students' projects at Imperial College London.

In 2015-2016 I gave lecture courses in Mathematics and Programming at Jacobs University Bremen

Since 2015 I am giving a lecture course on Dynamical Systems and Bifurcation Theory at the University of Bremen.

SKILLS

Personal

Effective self-learner

Advanced presentation skills

Ability to work individually and in a team

Programming languages:

C/C++, C#, Perl, Python – development and support experience.

Oracle – PL/SQL scripting, installation, upgrade, support.

Mathematica, LaTeX – experienced

Matlab, Fortran – tutorial sessions, students' projects supervision.

Languages spoken:

Russian – native

English – proficient

German – basic.

