

CURRICULUM VITA

Yuri Latushkin

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RESEARCH INTERESTS

Applied Analysis (operator theory, operator semigroups, control theory).

Infinite dimensional dynamical systems and differential equations.

Nonlinear partial differential equations, hydrodynamics.

Lyapunov exponents, multiplicative ergodic theorem, transfer operator.

PERSONAL

Born April 19, 1956 in Odessa, Ukraine. Married, one son. Citizenship: USA

EDUCATION

1978-1982 Ph.D. in Mathematics, Odessa University, Odessa, USSR.

1973-1978 M.S. in Mathematics and Education, Odessa University, Odessa, USSR.

PROFESSIONAL APPOINTMENTS

1996-present University of Missouri, Columbia: Professor.

2000-2004 University of Missouri, Columbia: Director of Graduate Studies.

1992-1996 University of Missouri, Columbia: Associate Professor.

1986-1990 Ukrainian Academy of Sciences, Hydroacoustic Institute, Odessa, USSR:
Senior Research Scientist.

1981-1986 Ukrainian Academy of Sciences, Economics Institute, Odessa, USSR:
Junior, Senior Research Scientist.

1979-1980 Odessa University, Odessa, USSR: Teaching Assistant.

VISITING POSITIONS

2006 University of North Carolina, Chapel Hill: Visiting Professor.

2006,2007 University of Torun, Poland: Visiting Professor.

1996 Georgia Institute of Technology, Atlanta: Visiting Professor.

1996,1999 Institute for Dynamical Systems, Bremen University, Bremen, Germany:
Visiting Professor.

1991,2007 Mathematical Sciences Research Institute, Berkeley: Visiting Professor.

- 1991-1992 Rollins College, Winter Park, FL: Visiting Associate Professor.
1990 Institute for Dynamical Systems, Bremen University, Bremen, Germany:
Visiting Professor.
1986 Moscow University, Moscow, USSR: Visiting Professor.

RESEARCH GRANTS

- * National Science Foundation/Analysis, 06/01/2004–05/31/2007.
- * National Science Foundation/International, 12/15/2003–12/31/2006.
- * U.S. Civilian Research and Development Foundation (CRDF), 10/15/2003 – 10/14/2005.
- * National Research Council/National Science Foundation, 02/28/2002–02/29/2004.
- * University of Missouri Research Board, 1/5/00–31/9/00.
- * National Science Foundation/Analysis, DMS 9622105, 8/15/96–01/31/99.
- * University of Missouri, Summer Research Fellowship, Summer 1998.
- * University of Missouri, Research Board, 6/1/97–5/31/98.
- * National Science Foundation/Conference Board in Mathematical Sciences, DMS-9414241,
1/1/95–12/31/95.
- * University of Missouri, Research Board, 3/1/95–31/1/96.
- * National Sciences Foundation/Modern Analysis, DMS 9400518, 7/1/94–6/30/96.
- * University of Missouri, Summer Research Fellowship, Summer 1994.

PUBLICATIONS

- * Over **80** scientific publications in pure and applied mathematics (see attached lists).

AWARDS

- * “Purple Chalk-2007” – College of Arts and Science Teaching Award
- * “Outstanding Teaching Award-2000” from students of The Men of Engineering.
- * \$10,000 campus W. T. Kemper fellowship for excellence in teaching (2000).
- * “Outstanding Teaching Award-1995” from students of The Men of Engineering.
- * Title ”Senior Research Scientist” of the Ukrainian Academy of Sciences (1988).

PROFESSIONAL ACTIVITIES

- * Editor: Journal of Evolution Equations, Birkhauser;
- * Organizer: Conference “Dynamical Systems Weekend”, University of Missouri (2006);
- * Organizer: Workshop “Stability criteria for multi-dimensional waves and patterns”, American Institute of Mathematics, Palo Alto, CA (2005);
- * Organizer: Weekly learning seminar on evolution equations (2004–);
- * Organizer: Special Session at a Dynamical Systems meeting, Pomona, CA (2004);
- * Organizer: International Internet Seminar for graduate students (1998–);
- * Organizer: Weekly seminar in Applied Mathematics (1997–2002);
- * Organizer: Special Session at an AMS Meeting, Columbia, MO (1996);
- * Organizer: NSF/CBMS Conference “Approximation Dynamics” (1995);
- * Organizer: Special Session at XXII Midwest Differential Equations Conference (1993);
- * Organizer: Odessa Mathematical Association;
- * Organizer: M. G. Krein Odessa Seminar in Functional Analysis;
- * Referee for Transactions of the AMS, Communications in Mathematical Physics, Proceedings of the AMS, J. Functional Analysis, J. Differential Equations, J. Dynamics and Differential Equations, J. Mathematical Analysis and its Applications, Physica A, Physica D, Nonlinearity, Mathematische Nachrichten, Abstract and Applied Analysis, J. Integral Equations and Operator Theory, and many others.
- * Referee for National Science Foundation.
- * Reviewer for ”Mathematical Reviews”, ”Zentralblatt fur Mathematik”.

COURSES at the University of Missouri

- * Graduate Courses (M449/95, M449/96, M449/97, M407/96,98, M408/97,99, M409/97, M410/97) in functional analysis, partial differential equations, applied mathematics, semigroups theory.
- * Calculus-1 (M80/93, M80/94, M80/95, M80/00). Large classes 400–550 students each. Honors sections. This is a new course designed with the use of computers (*Mathematica*).
- * Calculus-3 (M201/92,97,98,99). Honors sections. This is a new course designed with the use of computers (*Mathematica*).

* Differential equations (M4100/7100).

Ph. D. and MASTERS ADVISING

Master Projects: S. Kosakovskij (1997); M. Shabazz (2005);

Ph. D. Dissertation: B. Layton (1999, currently at NSA).

Ph.D. Dissertation: M. Stanislavova (2000, currently at U. of Kansas, Lawrence).

Ph.D. Dissertation: R. Shydkoy (2001, currently at U. of Illinois-Chicago).

Ph.D. Dissertation: D. Cramer (2005, currently in Kansas City)

POSTDOCS and VISITORS

N. Strong (postdoc at MU 2005– 2007).

V. Vougalter (postdoc at MU 2006– 2007).

I. Kombe (postdoc at MU 2003–04, currently at Oklahoma U.).

R. Cascaval (postdoc at MU 2000–03, currently at U. of Colorado).

W. Liu (postdoc at MU 1997–99, currently at U. of Kansas, Lawrence).

F. Rübiger (visitor at MU 1998–99, U. of Tübingen, Germany).

T. Randolph (visitor at MU 1997, U. of Missouri, Rolla).

R. Schnaubelt (visitor at MU 1997, U. of Halle, Germany).

SELECTED COMMITTEES

* Promoting Future Faculty, advisory board 2001–2003 (Campus level);

* Directors of Graduate Studies Focus Group 2000–2004 (Campus level);

* Research Council 1998–2001 (Campus level);

* Awards Committee 2002–2003 (College level);

* Executive Committee 2002–2004 (College level);

* Promotion and Tenure Committee 2000-2001 (College level);

* Curriculum, Instruction and Advising Committee 1997–2000 (College level).

INVITED LECTURES AT COLLOQUIA AND SEMINARS

Mathematical Sciences Research Institute, Berkeley, 2007;

Dynamical Systems Colloquium, Georgia Tech, 2007;

University of Torun, Poland, 2006;

University of Karlsruhe, Germany, 2006;

University of Frankfurt, Germany, 2006;

University of Illinois at Chicago, 2006;
North Carolina State University, Raleigh, 2006;
University of Illinois at Chicago, 2005;
University of Illinois at Urbana, 2004;
University of Halle, Germany: 2004;
University of Augsburg, Germany: 2004;
University of Budapest, Hungary: 2004;
University of North Carolina-Chapel Hill: 2004;
Illinois Institute of Technology, Chicago: 2004;
University of Tübingen, Germany: 2003;
University of Augsburg, Germany: 2003;
University of Torun, Poland; 2003;
Illinois Institute of Technology, Chicago: 2003;
University of Texas, Austin: 2002;
Lefschetz Center for Dynamical Systems, Brown University: 2001;
University of Massachusetts, Amherst: 2001;
University of Kansas, Lawrence: 2001;
Virginia Polytechnical Institute and State University: 2001;
Brown University, PDE Seminar, Providence: 2000;
PennState University, MASS Colloquium: 1999;
Technical University of Delft, Delft, Netherlands: 1999;
Analysis seminar, Vrije University, Amsterdam, Netherlands: 1999;
University of Tübingen, Colloquium, Germany: 1998;
University of California, Los-Angeles: 1997;
Brown University, Providence: 1996;
Georgia Institute of Technology, Atlanta: 1996 (CDSNS, 2 seminars);
Georgia Institute of Technology, Atlanta: 1996 (lecture course, 18 lectures);
University of Tübingen, Germany: 1996;
University of Bremen, Germany: 1996;
University of Augsburg, Germany: 1996;
University of Tübingen, Germany: 1995;
University of Bremen, Germany: 1995;
University of Essen, Germany: 1995;
University of North Carolina, Charlotte: 1995;
Memphis State University, Memphis: 1995;
University of Texas, Austin: 1994;
Georgia Institute of Technology, Atlanta, Georgia: 1994;
University of North Carolina, Charlotte: 1993;
University of Texas at Dallas: 1992;
University of Missouri (Rolla): 1992;
University of South Florida (Tampa): 1992;
University of Central Florida (Orlando): 1992;
University of Florida (Gainesville): 1991;

University of Miami (Coral Gables): 1991;
 Florida Institute of Technology (Melbourne): 1991;
 Mathematical Sciences Research Institute (Berkeley): 1991;
 University of California-Berkeley: 1991;
 Seminar of Prof. D. Sarason (Berkeley): 1991;
 Seminar of Prof. V. Arveson (Berkeley): 1991;
 Seminar of Prof. L. Arnold (Bremen): 1990;
 Seminar of Prof. M.G. Krein (Odessa): 1979-1990 (every year);
 Seminar of Prof. G.S. Litvinchuk (Odessa): 1979-1990 (every year);
 Seminar of Prof. N.K. Nikol'skij (Leningrad): 1981, 1988;
 Seminar of Prof. A.M. Vershik (Leningrad): 1982, 1988;
 Seminar of Prof. D.V. Anosov and A.M. Stepin (Moscow): 1983, 1986, 1989;

ADDRESSES AT CONFERENCES

International conference "Modern Analysis and Applications",
 (principal speaker), Odessa, Ukraine: 2007;
 International conference on operator theory, Torun, Poland: 2007;
 SIAM Conference "Applications of Dynamical Systems", Snowbird, UT: 2007;
 SIAM Conference on Nonlinear Waves and Coherent Structures, Seattle, WA: 2006;
 Sixth International Conference on Dynamical Systems, Differential Equations, and
 Applications, 2 talks, Poitiers, France: 2006;
 Conference on Evolution Equations, U. of Memphis: 2006;
 Meeting of AMS, Special session, Lincoln, NE: 2005;
 International Conference "Stochastic and Nonautonomous Dynamical Systems",
 (principal speaker), Sevilla, Spain: 2005;
 International Workshop on Stability criteria for multi-dimensional waves and patterns,
 American Institute of Mathematics, (principal speaker) Palo Alto, CA: 2005;
 International Conf. on Differential and Difference Equations, Melbourne, FL: 2005;
 2nd International Congress in Applied Mathematics, Plovdiv, Bulgaria: 2005;
 International conference "Functional Analysis and Operator Theory-2005",
 Palermo, Italy: 2005;
 SIAM Conference "Applications of Dynamical Systems", Snowbird, UT: 2005;
 Meeting of AMS, Special session, Bowling Green: 2005;
 Meeting of AMS, Special session, Chicago: 2004;
 International Workshop on Evolution Equation, Oberwolfach: 2004;
 International workshop on operator theory, Banach Center, Warsaw, Poland: 2004;
 International Conference "Foundations of Nonautonomous Dynamical Systems",
 Frankfurt, Germany: 2003;
 SIAM Conference "Applications of Dynamical Systems", Snowbird, UT: 2003;
 International Conference "Ergodic Theory", Chapel Hill, NC: 2003;
 International Conference "Dynamical Methods for Differential Equations",
 Principal Speaker, Medina del Campo, Spain: 2002;
 First Joint Meeting of the AMS and IUM, Pisa, Italy: 2002;

International Conference in Mathematical Physics, Birmingham, AL: 2002;
 International Conference “Petrovskii-100”, Moscow, Russia: 2001;
 International Conference on Evolution Equations, Germany: 2001;
 International Conference “Evolution Equations”, Principal Speaker, Italy: 2000;
 International Workshop in Operator Theory and Applications (IWOTA-2000), France;
 Workshop “Internet Seminar”, Germany: 2000;
 Meeting of the AMS, Special session, Columbia, SC: 2000;
 International Conference “Skew-Product Flows”, (1 hour talk), Germany, Mainz: 2000;
 International conference on semigroups, Rome, Italy: 1999;
 Workshop “Internet Seminar”, Germany: 1999;
 Great Plains Operator Theory Symposium–99, Principal Speaker, Ames, IA: 1999;
 International Conference on Evolution Equations, Los Angeles: 1999;
 International Conference on Evolution Equations, Germany: 1998;
 Workshop on Functional Analysis: France: 1998;
 Meeting of AMS, Special session, Manhattan, KS: March 1998;
 XXX Years of Global Analysis: 1998;
 Workshop in Dynamical Systems, Penn State: 1997;
 Meeting of AMS, Special session, Atlanta, GA: November 1997;
 SIAM Conference on Dynamical Systems, Snowbird, UT: 1997;
 International Conference “Random Dynamical Systems” (1 hour talk),
 Bremen, Germany: 1997;
 Meeting of AMS, Special session, Memphis, TN: 1997;
 Meeting of AMS, Special session, Columbia, MO: 1996;
 International conference MTNS, St. Louis, MO: 1996;
 Meeting of AMS, Special session, Baton Rouge, LA: 1996;
 International Workshop on Lyapunov Exponents (principal speaker, 3 lectures),
 Köln, Germany: 1996;
 SIAM Conference on Dynamical Systems, Special session, Snowbird, UT: 1995;
 XXIII Midwest Differential Equation Conference, Norman, OK: November 1994;
 Workshop on functional analysis, Texas A&M, College Station: August 1994;
 Meeting of AMS, Special session, Manhattan, TX: April 1994;
 Workshop on Evolutionary Equations, Baton Rouge (1 hour): March 1994;
 Meeting of AMS, Special session, College Station, TX: October 1993;
 International Conference “Evolutionary Equations”, Baton-Rouge, LA: 1993;
 Meeting of AMS, Special session, San Antonio, TX: 1993;
 Meeting of AMS, Dayton, OH: 1992;
 Workshop in Dynamical Systems, PennState (40 min): 1992;
 Wabash Conference in Modern Analysis, Indianapolis: 1992;
 Dynamical Systems, Boston: 1992;
 Orono Mathfest, Orono, Maine: 1991;
 Theory and Applications of Differential Equations, Edinburg, Texas: 1991;
 Lyapunov Exponents, Oberwolfach, Germany: 1990;
 Workshop on operators in functional spaces (USSR) : 1982-1989 (every year);

Workshop on functional analysis (Voroneg, USSR): 1983-1989 (every year);
Meeting of Moscow Mathematical Society and I. Petrovsky seminar: 1983, 1985;
Ukrainian conference on differential equations (1978, 1982);
Perm conference on functional-differential equations (1984, 1986);