Ari Laptev

CURRICULUM VITAE

PERSONAL DATA

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Mail address :	Institute of Mathematics, Royal Institute of Technology (KTH), S-100 44 Stockholm, Sweden.

Birth :	August 10, 1950, Kiev, USSR.
Citizenship :	Swedish.

EDUCATION AND DEGREES

1999	Professor, Royal Institute of Technology (KTH).
1997	Bitr. Professor, Royal Institute of Technology (KTH).
1992	Docent, University of Linköping.
1978	Candidate (Ph.D.) degree in Mathematical Physics from Leningrad University. Supervisor : M.Solomyak.
1967	Entered the Faculty of Mathematics and Mechanics of Leningrad State University
1972	Graduated with honours.

PROFESSIONAL EXPERIENCE

2007-	Imperial College London, UK.
1994-	Royal Institute of Technology (KTH) in Stockholm, Sweden.
1992-1993	University of Linköping and KTH in Stockholm, Sweden, Docent, Departments of Mathematics.
1987-1992	University of Linköping, Sweden, Högskolelektor, Department of Mathematics.
1982-1986	Private research and translation. Lost my position at Leningrad University due to marriage to a British subject (5 years broken career).
1977-1982	University of Leningrad Teaching post (Assistant Professor), Department of Mathematics and Mechanics.
1972 - 1977	Junior Researcher, Leningrad University, The Research Institute of Mathematics and Mechanics.

NATIONAL AND INTERNATIONAL ASSIGNMENTS

1. President of the European Mathematical Society, January 1, 2007 - December 31, 2010.
2. One of the organizers of the EMS Round Table within ICM in Madrid: 'Should mathematicians care about communicating to broad audiences? Theory and Practice".
3. One of the organizers + invited speaker of the Special Session in Quantum Mechanics at the International Congress in Mathematical Physics, Rio de Janeiro August 6 - 13, 2006.
4. One of the organizers of the programme "Spectral Theory and Partial Differential Equations", Newton Institute (July 17-August 11, 2006).
5. President of the Org. Comm. of the Fourth European Congress of Mathematics, June 28-July 2, 2004, Stockholm.
6. The chairman of the Steering Committee of the ESF European Programme SPECT, 2002-2007, including 14 European teams.
7. President of the Swedish Mathematical Society, 2001-2003.
8. The organizer of the programme at the Mittag-Leffler Inst. in "PDE and Spectral Theory". Fall 2002.
9. Vice Chairman of the Mathematics Department, KTH, 1999 - 2006.
10. One of four editors of the "Arkiv för Matematik", Mittag-Leffler Inst., 1997-.

GRADUATE STUDENTS

1. Timo Weidl	KTH, Stockholm, PhD thesis defense in May 1995. Wallenberg Prize winner, C4 Professor in Stuttgart.
2. Oleg Safronov	KTH, Stockholm, PhD thesis defense in October 1997. Wallenberg Prize winner, ten. tr. position at UNC, US
3. Jockum Aniansson	KTH, Stockholm, PhD thesis defense in October 1999.
4. Lars Jonsson	KTH, Stockholm, PhD thesis defense in March 2001, postdoc with J. Frölich at ETH, Zurich.
5. Dmitrii Gioev	KTH, Stockholm, PhD thesis defense in April 2001, ten.tr. at Univ. of Rochester
6. Ulf Carlsson	KTH, Stockholm, PhD thesis defense in December 2002
7. Jörgen Östensson	KTH, Stockholm, PhD thesis defense in March 2004, postdoc at the Courant Inst.
8. Jesper Tidblom	SU, Stockholm, PhD thesis defense in September 2005 postdoc at Univ of Crete
9. Tomas Ekholm	KTH, Stockholm, PhD thesis defense in September 2005
10. Rupert Frank	KTH, Stockholm, PhD thesis defense in May 2007 postdoc, Princeton
11. Andreas Enblom	PhD student from 01.07.2003
12. Anders Hansson	PhD student from 01.01.2004

European Networks

1. ESF European Programme SPECT (Chairman of the Steering Committee) 2002-2007.
2. Member of the EU network on "PDE and Quantum Mechanics". Contact person: Heinz Siedentop (Munich).
3. A member of the EU Network "ENIGMA". Contact person: Gregorio Falqui (Trieste).

RESEARCH INTERESTS

Spectral Theory of Partial Differential Equations, in particular, Schrödinger operators, Inverse problems, Trace formulae, Generalized Szegö Problems, Polya conjecture, Lieb-Thirring inequalities, Global solutions of Wave Equations, Pseudodifferential Operators, Quantum Ergodicity.

CONFERENCES AND MATHEMATICAL SCHOOLS

Active Participant

2007 Apr 18-22	Mark Krein Conference, Odessa, Ukraine (invited speaker).
2006 Sept 10-13	Hermann Weyl Conference, Bielefeld, Germany (invited speaker).
2006 Sept 10-13	Hermann Weyl Conference, Bielefeld, Germany (invited speaker).
2006 Sept 10-13	Operator Theory in Quantum Physics, Prague Czech Repbl. (invited speaker).
2006 August 6-13	International Congress on Mathematical Physics, Rio de Janeiro, Brazil (invited speaker).
2006 May 29-June 1	Spectral Theory of Differential Operators, Weizmann Institute, Israel (invited speaker).
2006 May 22-24	Spectral Analysis and mathematical Physics, Nantes, France (invited speaker).
2005 Oct 3-7	Operator Semigroups, Evolution Equations and Spectral Theory in Mathematical Physics, CIRM in Luminy, France (invited speaker).
2005 Aug 3-12	Operator Theory and Spectral Analysis, Durham, UK (invited speaker).
2005 July 2-12	Geometrical Aspects of Spectral Theory, Matrei, East Tirol, Austria (invited speaker).
2005 June 27-July 1	Probability and Mathematical Physics, CRM, Motreal Canada (invited speaker).
2005 April 4-9	Warwick EPSRC Symposium 'The Mathematics of Quantum Systems', Workshop 'Spectral Theory' (gave a survey lecture series).
2004 Nov 28-Dec 4	Spectral Analysis pf PDE's, Oberwolfach (invited speaker).
2004 July 26-30	Spectral Theory of Schrödinger Operators, CRM, Motreal, Canada (invited speaker).
2004 May 31-June 5	Perspectives in Inverse Problems (plenary speaker).
2003 June 23-25	Spectral theory meeting, Edinburgh (invited speaker).
2003 January 3-5	Spectral Analysis in Geometry and Physics, San Diego USA (invited speaker).

2002 March 26-30	UAB International Conference on Differential Equations and Mathematical Physics, Birmingham, Alabama, USA, (plenary talk).
2001 December 10-14	Mathematical Results in Quantum Mechanics, Taxco, Mexico (plenary talk).
2001 March 26-30	Scattering Theory, Schrödinger inst., Vienna
2000 July 24-28	PDE 2000, Clausthal, Germany (plenary talk)
2000 July 10-15	Workshop in Spectral Geometry, Bristol, England.
2000 June 13-16	AMS-Scandinavian congress Odense, Denmark.
2000 Jan 27-30	Fourth European Meeting on PDE and QM, Paris (plenary talk).
1999 Sept. 16-20	L.Gårding's conference, Lund.
1999 July 05-12	Geometric Methods in Spectral Theory, Matrei, East Tirol.
1999 May 09-14	Conference in Scattering Theory, Jerusalem.
1999 Jan 21-23	Geometric and Microlocal Analysis, Copenhagen.
1998 Oct 27-30	Third European Meeting on PDE and QM, Regensburg.
1998 June 01-18	Schrödinger Inst, Vienna
1998 Mar 30-Apr 10	Spectral theory and geometry, ICMS, Edinburgh (one hour lecture).
1997 Oct 27-Nov 02	Microlocal Methods in Geometric Analysis, The Fields Institute, Toronto.
1997 Sept 07-21	Microlocal Analysis and Mathematical Physics, The Fields Institute, Toronto.
1997 Aprl 21-27	Pseudodifferential Operators and Microlocal Analysis, Oberwolfach, Germany.
1996 Sept 26-27	A joint meeting of Swedish and Finish Mathematical Society, Helsinki, Finland (plenary talk).
1996 24.06-4.07	London Math. Soc. Symposium on PDE and Spectral Theory, Durham, England (plenary talk).

VISITING SCIENTIST

2007, April-May	Isaac Newton Institute, Cambridge, UK
2006, July	Isaac Newton Institute, Cambridge, UK
2006, February	University of Birmingham, England
2005, December	University of Stuttgart, Germany
2005, November	Erwin Schrödinger Institute, Vienna
2005, February	Erwin Schrödinger Institute, Vienna
2004, November	Erwin Schrödinger Institute, Vienna
2003, November	Princeton University, Courant Institute
2003, May	MSRI
2003, 1-26 Apr	Oberwolfach, research in pairs
2001, 5-12 May	MSRI
2001 May	Caltech, Pasadena
2001 February	Schrödinger inst., Vienna
1998 12-18 Dec	Ecole Polyt., Paris, France
1998 15-25 Nov	The Weizmann inst, Rehovot, Israel
1997 Febr	University of Nantes, France, one month Professorship.

1996 Febr	University of Yale, USA,
1995 June	University of Toronto, Toronto, Canada one month research position.
1995 Feb-April	King's College, London, England, three month research position.
1994 Nov	Weizmann Institute of Science, Rehovot, Israel, 2 weeks research position.
1994 June	University of Nantes, France, one month Professorship.
1993 Sept	Mittag-Leffler Institute, Djursholm, Sweden, Research grant.
1991 Apr-June	University of California, Irvine, USA, Visiting Professor, Department of Mathematics.
1987 Feb-Jul	University of Linköping, Sweden, Visiting Scientist, Department of Mathematics.
1981-1982	University of Stockholm, Sweden, Exchange Student.

2007-09-17 A. Laptev