

Curriculum Vitae

Ari Laptev

Personal Data

Date of Birth: August 10, 1950.

Citizenship: Swedish citizen

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Educaion

1972: M.Sc in Mathematics, Leningrad State University.

1978: PhD in Mathematics, Leningrad State University.

Positions Held

2007- present: Professor of Pure Mathematics, Imperial College London.

2019-present: Chairman of the scientific board of the Sirius Mathematical Centre.

2011- 2018: Director of Intitut Mittag-Leffler.

1999-2007: Professor KTH, Stockholm.

1992-1999: Lecturer, Department of Mathematics, KTH, Stockholm.

1987-1992: Lecturer, University of Linköping, Sweden.

1982-1986: Lost my position at Leningrad University due to marriage to a British subject (5 years broken career).

1977-1982: Assistant Professor in Mathematics, University of Leningrad, USSR.

1972-1977: Junior Researcher, University of Leningrad, USSR.

Research Interests

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

Awards

- Royal Society Wolfson Research Merit Award, UK, 2007.
- Member of the Royal Swedish Academy of Sciences, 2012.
- A Fellow of the European Academy of Sciences (EurASc) 2020.
- Member of Academia Europaea (2021).

National and International Assignments

President of the European Mathematical Society, January 1, 2007 - December 31, 2010.

Chairman of the ERC Starting Grants panel, 2012, 2014, 2016.

Member of the Marie Skłodowska Curie Action Individual Fellowships (MSCA-IF) panel in Mathematics 2017-2018.
 Vice-Chair of the Marie Skłodowska Curie Action panel in Mathematics 2019.
 Head of Department, Imperial College, London, Sept. 2008-2010.
 Member of the Executive Committee of the International Association of Mathematical Physics, 2012-2017.
 Member of the panel of experts for the 2017 evaluation exercise Marie Skłodowska-Curie Individual Fellowships H2020-MSCA-IF-2017, 2018, 2019.
 Chairman of ERCOM (2015- 2018)– EMS committee of 30 major research Institutes in Europe.
 A member of the international Odysseus Jury 2018.
 A member of the Prize Committee of the 7th European Congress of Mathematics (2016).
 Member of the CIRM scientific board 2012- 2019.
 Member of the LMS Council, 2007 - 2013.
 President of the Org. Comm. of the 4ECM, June 28-July 2, 2004, Stockholm.
 Chairman of the Steering Committee of the ESF European Programme SPECT, 2002-2007.
 President of the Swedish Mathematical Society, 2001-2003.
 Vice Chairman of the Department of Mathematics, KTH, 1999 – 2006.

PhD students

1. Timo Weidl (1995, KTH, now C4 Professor in Stuttgart).
2. Oleg Safronov (1997, KTH, now Associate Professor UNC, US).
3. Jockum Aniansson (1999, KTH, now Lecturer at KTH).
4. Lars Jonsson (2001, KTH, now Lecturer at KTH).
5. Dmitrii Gioev (2001, KTH).
6. Ulf Carlsson (2002, KTH).
7. Jörgen Östensson (2004, KTH).
8. Jesper Tidblom (2005, Stockholm University).
9. Tomas Ekholm (2005, KTH).
10. Rupert Frank (2007, KTH)
11. Anders Hansson (2008, KTH).
12. Andreas Enblom (2009, KTH).
13. Usman Muhamad (2012, Imperial College London).
14. Arman Sahovic (2013, Imperial College London).
15. Lukas Schimmer (2014, Imperial College London).
16. Fabian Portmann (2014, KTH).
17. Lior Aermak (2014, SU).
18. Alexandra Enblom (2018, Linköping University).
19. Simon Larson (2019, KTH Sweden).
20. Francesco Ferrulli (2019, Imperial College London).
21. Dorian Guzu (2020, Imperial College London).
22. Larry Read (2023, Imperial College London).
23. Shubham Gupta (2023, Imperial College London).
24. Alaa Aljahili (PhD student, Imperial College London, from 2020).
25. Timon Weinmann (PhD student, Imperial College London, from 2021).
26. Ali Barki (joint PhD student with Cyril Roberto, CNRS, from 2021)
27. Jiyu Fan (PhD student, Imperial College London, from 2023).

Editorial Duties

2011-2018 - Editor-in-Chief of *Acta Mathematica*, Institut Mittag-Leffler.
2022 - Editor of *Memoirs of the European Mathematical Society*
2010 - Deputy Chief Editor of *Journal of Spectral Theory*, EMS Publishing House.
2010 - Editor of *Bulletin of Mathematical Sciences*, World Scientific.
2009 - Editor of *Journal of Mathematical Sciences (New York)* Springer.
2010 - Editor of "Izvestia Matematika", Kazan, Russia.
2008 - Deputy Chief Editor *Asian-European Journal of Mathematics*, World Scientific.
2012 - *Siberian Advances in Mathematics*.
1997-2012 - Editor of *Arkiv för Matematik*, Institut Mittag-Leffler.

Publications

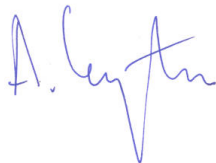
I am the author of about **130 research** paper, author of **1 book** and editor of **7 books**. My list of publication contained article published in such journals as *Acta Mathematica*, *Inventiones Math*, *Journal of European Mathematical Soc.*, *Comm. Pure and Appl. Math.*, *IMRN*, *GAF*, *Comm. Math. Physics*, *JFA*, *PAMS*, *JST*, etc.
About 30 research papers are published during the last five years.

Some recent Conferences

2024, July 08-12, Integrability and Moduli, Lisbon.
2024 June 10-14, Quantum Dynamics and Spectral Theory, IML, Sweden.
2023 September 19-21, Workshop on Microlocal Analysis and Mathematical Physics, Lund, Sweden
2023 May 8-12, Spectral geometry and applications, Quebec City, Canada.
2023 March 6, The Ladyzhenskaya Lecture 2023, St Petersburg.
2022 June 13-18 MCQM22 Como, Italy.
2021 Febr 1--5, CIRM, Mathematical Aspects of Physics with Non-Self-Adjoint Operators: 10 Years After.
2020 Nov. 30-Dec. 2 – QIPA, Moscow, (invited lecture).
2019 Aug. 12-16 - 27th International Conference on Finite or Infinite Dimensional Complex Analysis and Applications, Krasnoyarsk.
2019 May 27-31 – The Art of Quantization, St Petersburg, (invited lecture).
2018 Dec. 10-16 – Sobolev’s readings, Novosibirsk, (plenary lecture).
2018 Dec. 03-05 – Quasi-linear equations, inverse problems and their applications, Moscow (invited lecture).
2018 July – International Congress Mathematical Physics, Montreal, (invited lecture).
2017, Växjö, August 14-19 ISAAC Congress (plenary talk).
2017 September 12-15, Rome, SAPIENZA, ERC school in Harmonic Analysis, Spectral Theory and PDE's (one of three major speakers).
2015 June 14-18 – PDE’s, Potential Theory and Function Spaces, Linköping, Sweden, (invited speaker).
2015 June 10-12 – Young Functional Analysis workshop, London (invited speaker).
2014 Sept. 15-17 - Geometric Analysis, Calculus of Variations, Harmonic Analysis, Sussex, UK (invited speaker).

2014 Aug. 6-8 - Boundary Problems and Spectral Theory (invited speaker)
2013 Sept. 10-13 – QMATH12, Berlin (plenary speaker).
2013 Aug. 24-29 – Conference dedicated to 70th anniversary of the Armenian Academy of Sciences, Yerevan (plenary speaker).
2013 June 17-21 - Conference "Variational and Spectral Methods in Quantum Mechanics" Institut Henri Poincare, Paris, (plenary speaker).
2012 July 2-6 – Conference Spectral theory, Oberwolfach, (invited speaker).
2011 Dec. 12-16 - Spectral Analysis of non-selfadjoint operators, CIRM, Luminy, France (invited speaker).
2011 Sept. 11-14 - Mathematical Physics, Spectral Theory and Stochastic Analysis, Goslar, Germany (invited speaker).
2011 Aug 22-27 - The 8th ISAAC Congress, Moscow (plenary speaker).
2010 Dec 13-22- The 5th International Congress of Chinese Mathematicians, ICCM-2010, Beijing (plenary speaker).
2010 August 14-18 -Quantum Systems, Chennai, India (invited speaker) ICM Sattel. Conf.
2006 August 6-13 - International Congress in Mathematical Physics, Rio de Janeiro (invited speaker)

2024-09-24



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