Curriculum vitae of Vladimir Maz'ya

Dept. of Mathematical Sciences, University of Liverpool, Liverpool L69 7ZL, UK, Honorary Senior Fellow
Dept. of Mathematics, Linköping University, SE-581 83 Linköping, Sweden, Professor Emeritus
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Main research interests

• Linear and nonlinear PDEs • Asymptotic and numerical methods for PDEs, including homogenization and boundary elements • Spectral theory • Harmonic analysis • Approximation theory • Wavelets • Elasticity theory • Function spaces • Ill-posed problems • Nonlinear potential theory • Fluid mechanics • History of mathematics

Education

- 1965 Sci. D. in Mathematics Leningrad State University, Russia

- 1962 Ph. D. in Mathematics Moscow State University, Russia

- 1960 MS in Mathematics Leningrad State University, Russia

Employment

- 2010 – Honorary Senior Fellow, Department of Mathematical Sciences, University of Liverpool

- September 2003 - 2010 – Professor, Department of Mathematical Sciences, University of Liverpool

- January, 2004 - June 2008   Professor, Department of Mathematics, Ohio State University

- September - November 2003 Senior Fellow, Schrödinger Institute, Vienna

- January - June 2003 Visiting Stone Professor, Northeastern University, Boston

- March - May 2002 Visiting position Maitre des Recherches, Institute Henri Poincaré, Paris

- September - December 1994 Visiting position of Maitre des Recherches, École Polytechnique, Palesaux

- 2003 –   Professor Emeritus, Department of Mathematics, Linköping University, Sweden

- 1993 - 2002 Professor, Department of Mathematics, Linköping University, Sweden

- 1990 - 1993 Associate Professor, Department of Mathematics, Linköping University, Sweden

- 1986-1990 Head of Laboratory of Mathematical Models in Mechanics, Leningrad Institute of Engineering Studies of Academy of Sciences USSR

- 1968-1972 Professor, Department of Mathematics, Leningrad Shipbuilding Institute

- 1964-1986 Senior Research Scientist, Mathematics and Mechanics Institute, Leningrad State University

- 1960-1964 Junior Research Scientist, Mathematics and Mechanics Institute, Leningrad University

Honours and Awards

- November 2020, Member of the EU Academy of Sciences

- October 2013, Foreign Member of the Georgian National Academy of Sciences

- 2012 elected fellow of the American Mathematical Society.

- July 2009, Senior Whitehead Prize of the London Mathematical Society.

- May 2004, The Celsius Gold Medal of the Royal Society of Sciences at Uppsala.

- March 2003, Verdaguer Prize of the French Academy of Sciences.

- April 2002, Member of the Royal Swedish Academy of Sciences.

- 5th March, 2001, Corresponding Fellow of the Royal Society of Edinburgh.

- November 1999, Humboldt Research Prize.

- 1990 Doctor honoris causa of the University of Rostock, Germany.

- 1962 Prize of the Leningrad Mathematical Society, Russia.

Publications in honour of Vladimir Maz'ya

- *Around the Research of Vladimir Maz'ya I - III: Function Spaces, Partial Differential Equations, Analysis Applications*, International Mathematical Series, Vol. 11-13 A. Laptev (Ed.), Springer, 2010.

- *Analysis, Partial Differential Equations and Applications*, *The Vladimir Maz'ya Anniversary Volume*, Series: Operator Theory: Advances and Applications, Vol. 193, A. Cialdea, F. Lanzara, P.E. Ricci (Eds.), Birkhäuser 2009.

- *Perspectives in Partial Differential Equations, Harmonic Analysis and Applications: A Volume in Honor of Vladimir G. Maz'ya's 70th Birthday*, Proceedings of Symposia in Pure Mathematics, AMS, 2008.

- M.V. Anolik et al, *Vladimir Gilelevich Maz'ya (On the Occasion of His 70th Anniversary)*, Vestnik Sankt-Peterburgskogo Universiteta. Seriya 1. Matematika, Mekhanika, Astronomiya, no. 4 (2008), 3–6.

- M. S. Agranovich et al, *Vladimir Gilelevich Maz'ya (on his 70th birthday)*, Russian Math. Surveys 63:1 (2008), 189–196.

- M.S.Agranovich et al, *Vladimir G. Maz'ya. On the occasion of his 65th anniversary*, Russian J. of Math. Physics, **10**:3 (2003), 239–244.

- *The Maz'ya Anniversary Collection*, Rossmann, J., Takač, P., Wildenhain, G. (Eds.), Birkhäuser Verlag, 1999:

  Volume 1: *On Maz'ya's Work in Functional Analysis, Partial Differential Equations and Applications*.

  Volume 2: *Rostock Conference on Functional Analysis, Partial Differential Equations and Applications*.

- *Mathematical Aspects of Boundary Element Methods*, dedicated to Vladimir Maz'ya on the occasion of his 60th birthday, M. Bonnet, A.-M. Sändig and W. Wendland (Eds.), Chapman and Hall/CRC Research Notes in Mathematics, London, 1999.

- Eidus, D. et al, *Mathematical work of Vladimir Maz'ya (on the occasion of his 60th birthday)*, Funct. Differ. Equ. 4 (1997), no. 1-2 (1998), 3–11.

Conferences in honour of Vladimir Maz'ya

- December 16-17, 2013, Analysis of Partial Differential Equations - Symposium in honour of Vladimir Mazya on the occasion of his 75th Birthday, Liverpool.

- August 25 –27, 2008, Nordic-Russian Symposium in honour of Vladimir Maz'ya on the occasion of his 70th birthday, Stockholm.

- Analysis, PDEs and Applications, Conference on the occasion of the 70th birthday of Vladimir Maz'ya, Rome, June 30 - July 3, 2008.

- August 31–Sept 4, 1998, A conference in honour of Vladimir Maz'ya, Functional Analysis, Partial Differential Equations and Applications, Rostock, Germany.

- January 1993, Conference "Sobolev spaces and potential theory" in honour of Vladimir Maz'ya, Kyoto.

Some other professional activities

- Member of the NSF panel *Harmonic Analysis and Partial Differential Equations*, Washington, 2007.

- A member of The Friends of Mittag-Leffler Institute, 1999-2000.

- Organizer and Chairman of two International Conferences on Applied and Industrial Mathematics, Linköping, Sweden, December 1991 and June 1994

- Plenary speaker at the Second Italian-Japanese Workshop on Geometry of Solutions to Parabolic and Elliptic PDE's, June 20-24, Cortona, 2011.

- Plenary speaker at the Workshop on New Function space in PDEs and Harmonic Analysis, Naples, May 31 - June 4, 2011.

- Plenary speaker at the Conference on Open Mathematical Problems from Industry and Elsewhere, John Ockendon celebration event, Oxford, December 9, 2010.

- Plenary speaker at the Summer School and Workshop on Harmonic Analysis and Related Topics, Lisbon, June 21 – 25, 2010.

- Plenary speaker at Brian Davies 65th birthday conference, London, December 9-10, 2009.

- Plenary speaker at the Conferens on Advances in Boundary Integral Equations and Related Topics, Newark, Delaware, August 7 - 9, 2009.

- Plenary speaker at the Conference on Spectral Theory and Geometric Analysis, July 29 - August 2, 2009, Boston.

- Plenary speaker at the Seventh Congress of the International Society for Analysis, its Applications and Computation, July 13-18, 2009, London.

- Plenary speaker at the British Mathematical Colloquium *Mathematics 2005*, 4–7 April, Liverpool.

- Two hour speaker at the Rivière-Fabes Symposium on Analysis and PDE, Minneapolis, April 2005.

- Plenary speaker at the Congress of the German Mathematical Society, September 2003.

- Invited 45 min talk at the International Congress of Mathematicians, Beijing, 2002.

- Plenary speaker at the Third Congress of the International Society for Analysis, its Applications and Computation, August 20-25, 2001, Berlin.

- Plenary speaker at the France-Israel conference Space: Frontiers of Interdisciplinary Research and Applications dedicated to Alain Bensoussan, Paris, March 21-22, 1999.

- Invited address at the International Conference on Recent Advances in Analytical and Numerical Treatment of Operator Equations in memory of Siegfried Prössdorf, Hemnitz, March 25-28 1999.

- Plenary lecture at the International Conference on Analysis and Mathematical Physics in honour of Lars Gårding on his 80th birthday, Lund, August 16-20, 1999.

- Plenary address at the International Symposium Problemi Attuali dell'Analisi e della Fisica Mathematica dedicato alla Memoria di Gaetano Fichera, Taormina, October 14-18 1998.

- Plenary speaker at the Wiener Centennial Symposium in Cambridge, Massachusetts, October 8-15, 1994.

Graduate supervising at Linköping University

• Doctorate: 2002 - J. Åslund, 2001 - S. Eilertsen, 1997 - M. Langer, 1997 - T. Ivanov, 1996 - J. Björn, 1995 - G. Bastay • Licentiate: 2003 - D. Pettersson, 1999 - J. Åslund, 1997 - S. Eilertsen, 1996 - T. Ivanov, 1995 - M. Langer, H. Åkermark • Masters: 1998 - J. Östensson, 1995 - J. Åslund, S. Eilertsen, H. Lundmark

Graduate supervising at Liverpool University

• MSci: 2005 - M. Nieves • PhD: 2007 - M. Nieves

Member of Editorial Boards

• Complex Variables and Elliptic Equations, An International Journal, USA, • Journal of Mathematical Sciences, New York, Springer (Problemy Matematicheskogo Analiza, St-Petersburg), • International Journal of Pure and Applied Mathematics, Academic Publications, Bulgaria, • Zeitschrift für Analysis und ihre Anwendungen, Hederman Verlag, Berlin. • Asymptotic Analysis, North-Holland, Amsterdam-London-New York-Tokyo, • Functional Differential Equations, The Research Institute, The College of Judea and Samaria, Kedumim-Ariel, Israel, • Applicable Analysis, USA, • Memoirs on Differential Equations and Mathematical Physics, Tbilisi.