

# Paweł Strzelecki

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Born: June 19, 1963 in Warsaw, Poland; married since 1989, two sons.

*Full Professor*, Institute of Mathematics, University of Warsaw.

Research interests: Nonlinear PDE, Calculus of Variations, Geometric Analysis.

## EMPLOYMENT

- 2015- Full Professor, Institute of Mathematics, MIM UW
- 2006-2015 Associate Professor, Institute of Mathematics, MIM UW
- 1999-2003 Humboldt Fellow (with S. Hildebrandt), Mathematisches Institut der Universität Bonn; 22 + 12 months
- 1994-2006 Assistant Professor, Institute of Mathematics, MIM UW
- 1994 Research Fellow (with H. Brezis), Laboratoire d'Analyse Numérique, Paris VI; 3 months
- 1987-1993 Teaching Assistant, Institute of Mathematics, MIM UW

Visiting stays at various places, including Centro De Giorgi, ENS Cachan, ETH Zurich, Kavli Institute, RWTH Aachen.

## AWARDS

- 2015 Samuel Dickstein Award (Polish Mathematical Society); achievements for the benefit of mathematical culture
- 2004 Kuryłowicz Prize for the best Polish translation of scientific literature
- 2003 Hugo Steinhaus honorary distinction for popularizing mathematics in the media
- 1999 Alexander von Humboldt Research Fellowship, extended in 2000 and in 2002

## SERVICE TO THE PROFESSION

- 2016-2024 Dean at MIM UW
- 2012-2016 Vice-Dean (research affairs) at MIM UW
- 2009-2012 Jury of the Sierpiński medal; Board of the Polish Mathematical Society
- 2008-2011 Senate Committee for student and teaching affairs, University of Warsaw
- 2005-2008 Vice-Dean (student & teaching affairs) at MIM UW
- 2003-2005 Vice-Director (teaching affairs), Institute of Mathematics, University of Warsaw

## SELECTED PUBLICATIONS

- 2017b K. Mazowiecka, P. Strzelecki, *The Lavrentiev gap phenomenon for harmonic maps into spheres holds on a dense set of zero degree boundary data*. Adv. in Calc. Var. 10 (2017), 303-314.
- 2014 R. Latała, A. Ruciński, P. Strzelecki, J. Świątkowski, D. Wrzosek, P. Zakrzewski (editors). *European Congress of Mathematics. Kraków, 2-7 July, 2012*, ISBN 978-3-03719-120-0. EMS, Zurich, 2014.
- 2013b P. Strzelecki, H. von der Mosel. *Menger curvature as a knot energy*. Phys. Rep. 530, no. 3, (2013), 257-290.
- 2013a S. Kolasiński, P. Strzelecki, H. von der Mosel. *Characterizing  $W^{2,p}$  submanifolds by  $p$ -integrability of global curvatures*. GAFA 23 (2013), 937-984.
- 2011 P. Strzelecki, H. von der Mosel. *Integral Menger curvature for surfaces*. Adv. in Math. 226 (2011), 2233-2304.
- 2005b B. Bojarski, P. Hajłasz, P. Strzelecki. *On Sard's theorem for mappings in Hölder and Sobolev classes*, Manuscripta Math. 118 (2005), 383-397.
- 2005a T. Rivière, P. Strzelecki. *A sharp non-linear Gagliardo-Nirenberg estimate and applications to regularity of nonlinear elliptic systems*, Comm. PDE 30 (2005), 589-604.
- 2004 P. Strzelecki, A. Zatorska-Goldstein. *A compactness theorem for higher dimensional  $H$ -systems*, Duke Math. J. 121 (2004), 269-284.
- 2003 P. Strzelecki. *On biharmonic maps and their generalizations*, Calc. Var. PDE 18 (2003), 401-432.
- 1998 P. Hajłasz, P. Strzelecki. *Subelliptic  $p$ -harmonic maps into spheres and the ghost of Hardy spaces*, Math. Annalen 312 (1998), 341-362.