

CURRICULUM VITAE

doc. RNDr. Tomáš Vejchodský, Ph.D.

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Personal data: Born on December 17, 1976 in Jihlava, Czechoslovakia. Married, three children.

PROFESSIONAL EXPERIENCE

2013–2014 Marie Curie Fellow, Mathematical Institute, University of Oxford

2005– Researcher, Institute of Mathematics, Academy of Sciences of CR, Prague

2005– External position, Charles University in Prague, teaching

2004–5 Visiting assistant professor, University of Texas at El Paso, USA

2003–4 Junior researcher, Institute of Mathematics, Academy of Sciences of CR, Prague

HONORS

2000 Babuška's prize, student category, Czech Society for Mechanics and Union of Czech Mathematicians and Physicists

2007 Otto Wichterle Award, Academy of Sciences of CR

PUBLICATION RECORDS

- 43 published papers (24 in scientific journals, 19 in conference proceedings)
- 28 records in Mathematical Reviews, 35 records in Zentralblatt MATH
- more than 70 citations (without self-citations and self-citations of coauthors)
- co-editor of 6 books of proceedings
- h-index 6, Erdős number 3 via M. Krížek and F. Luca.

RESEARCH GRANTS

2013–14 Marie Curie Intra-European Fellowship, project “StochDetBioModel”, Mathematical Institute, University of Oxford.

2007–11 Principal co-investigator, project “Methods of higher order of accuracy for solution of multi-physics coupled problems”, no. IAA100760702, Grant Agency of the Academy of Sciences of the Czech Republic. Evaluated as excellent.

2007–9 Principal co-investigator, project “Advanced algorithms for solution of coupled problems in electromagnetism”, no. 102/07/0496, Czech Science Foundation. Evaluated as excellent.

2003–6 Principal investigator, project “Mesh adaptivity for numerical solution of parabolic partial differential equations”, no. 201/04/P021, Czech Science Foundation. Evaluated as excellent.

EDUCATION

2012 doc. (habilitation, associate professor), Faculty of Mathematics and Physics, Charles University in Prague

2000–3 Ph.D., Institute of Mathematics, Academy of Sciences of CR and Faculty of Mathematics and Physics, Charles University in Prague
2000 Rigorous exam (RNDr.), Charles University in Prague
1995–2000 Masters, Faculty of Mathematics and Physics, Charles University in Prague

RESEARCH VISITS

2013 Chinese Academy of Sciences, China, Hehu Xie
2011, 2012 University of Oxford, UK, R. Erban
2009 Tampere University of Technology, Finland, S. Korotov
2007, 2008 Helsinki University of Technology, Finland, S. Korotov
2006, 2012 University of Strathclyde, Glasgow, UK, M. Ainsworth
2002 University of Texas at Austin, USA, I. Babuška

PARTICIPATION AT CONFERENCES

2003– Active participation at more than 30 scientific conferences in Europe and USA.
Invited speaker at PANM 12 (2004), Dolní Maxov, Czech Republic; PANM 15 (2010), Dolní Maxov, Czech Republic; SNA'12 (2012), Liberec, Czech Republic; Algoritmy 2012, Podbaňské, Slovakia.

SUPERVISION EXPERIENCE

Pavel Kůs – PhD thesis defended in 2011
Vojtěch Rybář and Pavol Krasnovský – PhD students since September 2012
Master students – four completed.

TEACHING

2005– Advanced course “Numerical modeling of electrotechnical problems”, Charles University, Prague
2004–5 Three mathematical courses at the University of Texas at El Paso, USA
2003–4 Elementary mathematics at the University of Economics, Prague
2003 Elementary physics, Czech Technical University, Prague

EDITORIAL WORK

2011–2 Associate Editor, Central European Journal for Mathematics
2010– Associate Editor-in-Chief, Applications of Mathematics
2009– Editor of Zentralblatt MATH, Prague office
2007– Editorial board member, Applications of Mathematics
2003– Reviewer for IMA J. Numer. Anal., SIAM J. Numer. Anal., J. Comput. Appl. Math., J. Math. Anal. Appl., Math. Comput. Simulation, Int. J. Numer. Anal. Model., Zentralblatt MATH, etc.

CO-ORGANIZATION OF CONFERENCES

Equadiff 13 (2013), Prague, Czech Republic, PANM 12–16 (2004–2012), Dolní Maxov, Czech Republic; AM2012 and AM2013, Prague, Czech Republic; minisymposium at ENUMATH 2009, Uppsala, Sweden;

POPULARIZATION ACTIVITIES

2008–2012 Education of talented secondary school students within the project Otevřená věda (Open science) I and II.

2008 interview in Radio Leonardo (60 min.)

2008 An article in Czech popularizing journal Pokroky matematiky fyziky a astronomie (Advances of Mathematics Physics and Astronomy).

2005– Annual public talks within the Days of Open Doors in the Institute of Mathematics, Academy of Sciences, Prague

LANGUAGES

Czech (mother tongue), English (fluent), Russian (passive)