

CURRICULUM VITAE

doc. RNDr. Tomáš Vejchodský, Ph.D.

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Born: December 17, 1976, Jihlava, Czech Republic

PROFESSIONAL EXPERIENCE

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

2007 Otto Wichterle Award, Academy of Sciences of CR

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

PUBLICATION RECORDS

- 42 published papers (22 in scientific journals, 20 in conference proceedings)
- 25 records in Mathematical Reviews, 30 records in Zentralblatt MATH
- 70 citations (without self-citations and self-citations of coauthors)
- co-editor of 4 books of proceedings
- h-index 5, Erdős number 3 via M. Křížek and F. Luca.

RESEARCH GRANTS (all evaluated as excellent)

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.

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

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

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

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 – PhD student 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

2010–2 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 Mathe-
matics, Academy of Sciences, Prague

LANGUAGES

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