CURRICULUM VITAE
doc. RNDr. Tomáš Vejchodský, Ph.D.

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Personal data: born 17/12/1976, Jihlava, Czech Republic, married, three children

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

PROFESSIONAL EXPERIENCE

2003– Institute of Mathematics, Czech Academy of Sciences, Prague, researcher, deputy director (2015–2019), director (2019-)

2013–14 Mathematical Institute, University of Oxford, UK, research fellow

2005– Charles University in Prague, optional course

2004–5 University of Texas at El Paso, U.S.A., visiting assistant professor

HONORS

2007 Otto Wichterle Award, Czech Academy of Sciences

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

PUBLICATION RECORDS

- 57 research papers (33 in scientific journals, 24 in conference proceedings)
- 49 records in WoS, 47 records in MathSciNet, 58 records in zbMATH
- 205 citations in WoS (without self-citations), 148 citations in MathSciNet
- co-editor of 10 books of proceedings

RESEARCH GRANTS

2017–19 principal investigator, Neuron Impuls, Neuron benevolent fund for support of science

2017–19 guarantor of an activity, Doctoral school for education in mathematical methods and tools in HPC, Operational program Research Development Education, Ministry of Education, Youth and Sports

2013–14 Marie Curie Intra-European Fellowship at the Mathematical Institute, University of Oxford, project "StochDetBioModel" granted by European Commission

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.

SELECTED SHORT TERM RESEARCH VISITS

Brown University, Providence, U.S.A., University of Oxford, University of Strathclyde (Glasgow), Tampere University of Technology, Helsinki University of Technology, University of Texas at Austin, Chinese Academy of Sciences

INVITED AND PLENARY TALKS

SNA 2019, Ostrava; SDE 2018, Velehrad; Oberwolfach workshop 2016; SBDW03 2016 Cambridge, UK; AIME@CZ 2014 Prague; Algoritmy 2012 Podbaňské, Slovakia; SNA 2012, Liberec; PANM 17 (2014), PANM 15 (2010), PANM 12 (2004) Dolní Maxov

SUPERVISION EXPERIENCE

PhD students: Pavel Kůs (defended 2011)

Master students: four completed, two in progress.

TEACHING

2005– Advanced courses "Numerical modeling of electrotechnical problems", "Techniques of a posteriori error estimation", Charles University, Prague

2004–5 Three 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 Specialist, Zentralblatt MATH, Prague office

2007– Editorial board member, Applications of Mathematics

CO-ORGANIZATION OF CONFERENCES

Modelling 2019; minisymposium at ECMTB 2014, Göteborg, Sweden; Equadiff 13 (2013), Prague; PANM 12–19 (2004–2018), Dolní Maxov, Hejnice; minisymposium at ENUMATH 2009, Uppsala, Sweden; AM2012, AM2013, AM2015, AM2018, Prague Modelling 2019, Olomouc

POPULARIZATION ACTIVITIES

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

2008,2014 Articles in Czech popularizing journal Pokroky matematiky fyziky a astronomie (Advances of Mathematics Physics and Astronomy).

2008 interview in Radio Leonardo (60 min.)

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

LANGUAGES

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

May 30, 2019