Curriculum Vitae

Personal data

Václav Mácha,
born in 1983,
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Education

2008 – 2012 PhD student, Faculty of Mathematics and Physics, Charles University, Prague, research theme: Qualitative Properties of Solution to Some Types of Equations Describing Flow of Fluids.

2006 – 2008 graduate student, Faculty of Mathematics and Physics, Charles University, Prague, specialization Mathematical analysis, diploma thesis: Use of Fredholms theorems to proof existence of solution of Stokes-type equation

2003 – 2006 undergraduate student, Faculty of Mathematics and Physics Charles University, Prague

Current occupation

2017 – Postdoctoral fellow, Institute of Mathematics, Czech Academy of Science

Previous occupations

2016 Postdoctoral fellow, CMAC, Yonsei university in Seoul, Republic of Korea

2012 – 2015 Postdoctoral fellow, Institute of Mathematics, Czech Academy of Science

Academic stays

March – April 2015 University of Pittsburgh, USA

Grants

2016 Korean government, project NRF-20151009350, team member

2013–2016 Czech Science Foundation, project GA13-00522S, Qualitative analysis and numerical solution of problems of flows in generally time-dependent domains with various boundary conditions, team member

2011–2012 Grant Agency of the Charles University, project 281211/B-MAT/MFF, Qualitative properties of solutions to equations of fluid mechanics, team member

Teaching

2013-2015	Math, practicals, Faculty of Information Technology, Czech Technical University in Prague
2011-2012	Math, practicals, Faculty of Mathematics and Physics, Charles University in Prague
2011-2012	Math, practicals, Technical University of Liberec
2009-2011	Math, practicals, Faculty of Social Sciences, Charles University in Prague
2008-2009	Math, High School Educanet, Kladno
2007-2009	Mathematical Analysis, practicals, Faculty of Mathematics and Physics, Charles University in Prague

Scientific interests

PDE, qualitative properties of solutions, fluid mechanic, fluid-structure interaction