Marko Vrdoljak

Short *Curriculum vitae*

Dept. of Mathematics, University of Zagreb; web page: http://web.math.hr/~marko/

Personal
- Born: 17 July 1972, Tuzla;

Education (at Department of Mathematics, Faculty of Science, University of Zagreb)
- PhD in Mathematics: *On some questions in the relaxation theory of optimal design problems,* (advisor: N. Antonić), March 2004
- MSc in Mathematics: *Homogenisation and its applications to optimal shape design*, 1999
- BSc in Mathematics, Applied Mathematics: *Optimal control of heating process in a rod*, (advisor M. Alić), December 1995

Work experience
- Department of Mathematics, Faculty of Science, University of Zagreb; Position: Associate professor (since December 2012), Assistant professor (December 2005 – November 2012), Assistant (March 1996 – November 2005)
- Max Planck Institute for Mathematics in the Sciences, Leipzig; Position: Visiting researcher (October 1999 – March 2000); research topic: *Optimal design and relaxation*

Training: 7 international schools in mathematics (1997 – 2011), total duration of 11 weeks

Dissemination of results
- 19 talks at international scientific conferences (2 invited)
- Lectures at universities/institutes (Osijek, BCAM – Bilbao)

Research projects
- MZOŠ/MNTR: Functional *analysis methods in mathematical modelling* (leader; bilateral project with Serbia, 2011-2012)
- MZOŠ/MZT: *Mathematical modelling of geophysical phenomena* (leader, 037-1193086-3226, 2008-2013)
- MZOŠ/MZT: *Oscillatory solutions of partial differential equations* (collaborator; 037-0372787-2795, 2008-2013; 037101, 2002-2006; 037015, 1997-2002; leader: N. Antonić)
- MZT: *Mathematical analysis of composite and thin structures* (collaborator; 037004, 1995-1996, leader: I. Aganović)

Teaching: More than 25 undergraduate and graduate courses at University of Zagreb; three doctoral courses; Lecturer at two international advanced postgraduate schools

Organisational skills and competences
- Graduate University Programme in Applied Mathematics at Department of mathematics, Faculty of science, University of Zagreb (head, 2008 – 2012)
- EMS Conference *Diderot Mathematical Forum 2013*, Berlin, Exeter, Zagreb (co-organiser of the Zagreb event)

Refereeing for international journals: Mathematical Communications, Mathematical Inequalities and Application, Nonlinear Analysis - Real World Applications

Reviewer: Mathematical Reviews and Zentralblatt MATH

Publications list at http://bib.irb.hr/lista-radova?autor=230540