

Curriculum Vitae for Ville Havu

Personal information

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Nationality: Finnish
Date of birth: 1.4.1973

Work experience

Helsinki University of Technology, Laboratory of Physics:
1.6.1994 – 15.8.1994 Research assistant, part-time

Helsinki University of Technology, Institute of Mathematics:
1.8.1996 – 31.12.1997 Research assistant
1.7.1998 – 31.7.1998 Research assistant
1.8.1998 – 31.12.2001 Research fellow
1.1.2002 – 31.7.2002 Assistant
1.8.2002 – 31.7.2003 Senior assistant
1.8.2003 – 15.9.2003 Researcher
16.12.2003 – 30.4.2006 Researcher

Istituto di Matematica Applicata e Tecnologie Informatiche
CNR - IMATI, Pavia, Italy:
16.9.2003 – 15.12.2003 Researcher

Johann Radon Institute for Computational and Applied Mathematics
(RICAM), Linz, Austria:
3.10.2005 – 9.12.2005 Participant of Special Radon Semester
on Computational Mechanics

Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berliini, Saksa:
1.5.2006 – 31.10.2006 Researcher
1.11.2006 – 31.12.2007 Research Fellow of Alexander von Humboldt Foundation

Education

- 30.5.1992 Matriculation examination
1.9.1998 M.Sc. (Tech.), Helsinki University of Technology
22.1.2002 D.Sc. (Tech.), Helsinki University of Technology

Thesis

- [I] V. Havu, Modelling and Numerical Solution of a Fluid Flow and Heat Transfer Problem, M.Sc. thesis (in Finnish), HUT, 1998.
- [II] V. Havu, Analysis of Reduced Finite Element Schemes in Parameter Dependent Elliptic Problems, Doctoral Dissertation, Helsinki University of Technology, Institute of Mathematics, Research Report A442 (2001), D.Sc. thesis, HUT, 2001.

Teaching experience

- Assistant of several courses in calculus and advanced calculus.
- Assistant of several graduate courses in numerical analysis and computational mechanics.
- Lecturer of several graduate courses in basic and advanced finite element methods, including multigrid, domain decomposition and adaptive methods.
- Lecturer of basic calculus course for first year students.

Supervised students

Special assignments (in Finnish)

- [I] Aappo Pulkkinen, Kuorien $t^{1/2}$ skaalaisten reunahäiriöiden tutkiminen elementtimenetelmällä käyttäen redusoitua (2002) bilineaarimuotoa
- [II] Mika Juntunen, Adaptiivinen epäjatkuva Galerkinin menetelmä alkuarvotähtävien ratkaisemisessa (2004)
- [III] Peter Huuhilo, Kuorimallin numeerinen verifointi (2004)

Awards

- [I] The Young Researcher Fellowship Award in The First M.I.T Conference on Computational Fluid and Solid Mechanics

References

- Professor Juhani Pitkäranta
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