

Lebenslauf

Prof. Dr. Barbara Wohlmuth

Chair of Numerical Mathematics

Technische Universität München

Boltzmannstr. 3

85748 Garching

Education

- 2000 Habilitation, Universität Augsburg
- 1995 Dr. rer. nat. („summa cum laude“), Technische Universität München
- 1992 Diplom-Mathematik, Technische Universität München
- 1991 Maitrise in Mathematics, Joseph Fourier University Grenoble (Frankreich) funded by German National Academic Foundation

Career

- 2001 *Visiting Scientist*, Pierre and Marie Curie University, Paris (three months)
 - 2001–2010 *Full Professor (C4)* for Applied Mathematics, University of Stuttgart
 - 2003 *Visiting Professor (first class)*, University of Pau and des Pays de l'Adour (one month)
 - 2004 *Visiting Professor (first class)*, University of Valenciennes and du Hainaut-Cambrésis (one month)
 - 2007 *Visiting Professor*, The Chinese University of Hong Kong, Shatin (six months)
 - 2011 *Visiting Scientist*, Johann Radon Institute for Computational and Applied Mathematics (RICAM), Linz (three months)
- since 2010 *Full Professor (W3)* for Numerical Mathematics, Technical University of Munich

Research Interests

Numerical simulation, domain decomposition methods, mortar finite element methods, non-standard discretisations, iterative solvers, a posteriori error indicators and adaptive refinements, contact problems, solving engineering problems with uncertainties, conservative time integration, applications to porous media, mathematical modelling and multi-physics

Publications & Public Scientific Service

- 100 publications in Zentralblatt MATH
- Vice-Speaker of the International Research Training Group (GRK1398), Stuttgart (2008–2010)
- Member of the SIMTECH Directorial Board of the University of Stuttgart (2008–2009)
- Speaker of the Collaborative Research Center (Sonderforschungsbereich 404), Stuttgart (2005–2006)
- Personal Tutor of the German National Academic Foundation (2009–2010)
- Managing Board of GAMM (since 2006)
- Advisory Board of Computational Mechanics (since 2007)
- Scientific Advisory Board of Weierstrass Institute for Applied Analysis and Stochastics (WIAS) (since 2009), Chair (since 2010)
- Editor of ZAMM Zeitschrift für Angewandte Mathematik und Mechanik (since 2009)
- Editor of SIAM Journal on Scientific Computing (2006–2011)
- Board of International Graduate School of Science and Engineering (since 2010)
- Co-Director of Rechnerbetriebsgruppe of the Mathematics and CS Department (since 2010)
- Board of Editors of Numerische Mathematik (since 2011)
- Editorial Board of Computer Methods in Applied Mechanics and Engineering (since 2011)
- Advisory Board ZISC Erlangen-Nürnberg (since 2011)

Honours/Awards

- 2009 Offer of a full Professorship (W3) at the Technical University of Munich
- 2007 Offer of a full Professorship (W3-S) at the Freie Universität Berlin and WIAS
- 2005 Giovanni Sacchi-Landriani Prize, Accademia di Scienze e Lettere, Milano
- 2001 Offer of a Full Professorship (C4) at the University of Stuttgart
- 2001 Offer of a Full Professorship (C4) at the Technical University of Darmstadt
- 2001 Offer of an Associate Professorship (C3) at the Technical University of Munich
- 1997–1998 DFG-Fellowship (Habilitationstipendium, Courant Institute, New York)