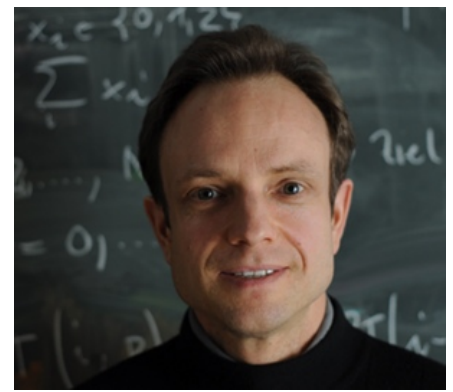


Prof. Dr. Ralf Hiptmair



Address: SAM, D-MATH, ETH Zürich, CH-8092 Zürich
E-mail: hiptmair@sam.math.ethz.ch
Date of birth: May 10, 1967
ORCID: 0000-0002-1378-2668
Google ID: uJ03qIAAAAAJ

Education and Degrees

- 11/92 : Diploma in mathematics, TU München
- 06/96 : PhD “summa cum laude”, University of Augsburg, thesis on “Multilevel Preconditioning for Mixed Finite Elements in Three Dimensions”, supervisor: Prof. Dr. R.H.W. Hoppe
- 11/02 : Habilitation in Mathematics at Mathematisches Institut, Universität Tübingen. Habilitation thesis on “Numerical Methods for Computational Electromagnetism”

Employment

- 12/92-05/95 : TU München
- 06/95-08/98 : University of Augsburg
- 08/98-03/02 : Head of junior research group, University of Tübingen
- 04/02-09/02 : Associate professor, University of Bonn
- 10/02-09/05 : Associate Professor, ETH Zurich
- since 10/05 : Full Professor, ETH Zürich
- 08/07-01/08 : Visiting Professor, The Chinese University of Hong Kong
- 02/17-06/17 : Visiting Professor, LJLL, UPMC, Paris

Research Grants and Contracts

- 08/98-03/02 : DFG-grant for junior research group
- 10/00-09/02 : DFG-grant for transfer project with Daimler Corp.
- 01/01-09/03 : DFG-grant for project in SFB 382
- 08/03-07/06 : ETH grant, “High Resolution Numerical Simulation of Electromagnetic Fields in Thin Conducting Sheets”
- 04/04-03/07 : SNF grant, “Stable Boundary Element Galerkin Schemes for Direct Acoustic and Electromagnetic Scattering”
- 04/08-03/11 : SNF grant 200021-119976/1, CHF 139700, PI
- 10/08-09/11 : SNF grant 200021-121892/1, CHF 279450, PI
- 09/09-08/12 : participant in SNF ProDoc grant PDAMP 2-122883/1, CHF 279450
- 09/08-08/11 : Grant from Thales SA, CHF 318000, PI
- 09/09-08/12 : SNF grant PDFMP2-124883/1, CHF 147713, PI
- 04/12-03/15 : SNF grant 200021_137873/1, CHF 157482, PI
- 03/12-02/15 : ETH CHIRP1 CH1-02 11-1 CHF 447000, PI
- 04/12-03/15 : SNF grant 200021_137873/1, CHF 157482, PI
- 05/13-04/16 : KTI/ABB-Grant 15183.1 PFIW-IW, CHF 339'264, Co-PI
- 04/13-03/16 : SNF grant 200021_146355/1, CHF 157000 (jointly with S. Mishra)
- 09/13-08/16 : SNF grant 200020_146356/1, CHF 311315 (jointly with P. Grohs and Ch. Schwab)

07/13-06/16 : Grant from Robert Bosch GmbH, Stuttgart, CHF 363000, (jointly with Dr. Lars Kielhorn)
 07/13-06/16 : CTI grant for project with ABB Switzerland, CHF 339264. Co-PI
 04/14-03/17 : ETHIRA grant ETH-04 13-2, CHF 165400, PI
 09/16-08/19 : SNF Grant 2000021_165674/1, CHF 166007, PI
 04/19-03/23 : SNF Grant 200021_184848/1, CHF 464368, PI

PhD Supervision

09/98-06/02: **Vasile Gradinaru**, 10/00-10/03: **Jörg Ostrowski**, 01/99-03/03: **Tanja Bubeck**, 01/03-08/07: **Patrick Meury**, 01/03-07/08: **Kersten Schmidt**, 01/04-10/09: **Benedikt Zeller**, 10/04-09/09: **Gisela Widmer**, 09/06-03/11: **Hoger Heumann**, 10/08-08/11: **Andrea Moiola**, 06/08-12/12: **Evelyne Knapp**, 10/09-11/13: **Eivind Fonn**, 07/11-11/15: **Sahar Sargheini**, 03/11-12/15: **Alberto Paganini**, 03/12-05/16: **Laura Scarabosio**, 04/12-05/16: **Elke Spindler**, 09/12-09/16: **Cecilia Pagliantini**, 12/13-12/16: **Raffael Casagrande**, 03/12-04/16: **Pegah Sourzangar**, 11/13-03/18: **Simon Pintarelli**, 01/14-05/18: **Carolina Urzúa-Torres**, 09/16-12/19: **Daniele Casati**, since 05/14: **Roman Fuchs**, 08/17-02/19: **Taha Koltukluoglu**, since 06/18: **Andreas Schiller**, since 09/18: **Erick Schulz**, since 01/20: **Ignacio Labarca**, since 02/20: **Piyush Panchal**,

Teaching

Selection of courses at ETH Zurich: “Numerical Methods for Elliptic and Parabolic Differential Equations”, “Numerical Methods for Parabolic Differential Equations”, “Numerical Methods for CSE”, “Numerical Method for PDEs”, “Inverse Problems”, “Computational Electromagnetism”, “Numerische Mathematik II”, “Lineare Algebra und Numerische Mathematik”

Membership in (Editorial) Boards and Panels

2007-2017 : Associate editor Journal of Computational Mathematics (JCM)
 since 2008 : (Associate) editor Zeitschrift für Angewandte Mathematik und Physik (ZAMP)
 since 2008 : Associate editor BIT – Numerical Mathematics
 since 2011 : Associate editor Numerische Mathematik
 since 2013 : Associate editor IMA Journal of Numerical Analysis
 08/12-12/19 : International expert panel of “Elitenetzwerk Bayern” (Bavarian Foundation for Elite Education)
 since 2018 : Associate editor Mathematics of Computation
 since 2018 : ERC Consolidator Grant Panel: Mathematics (European Research Council)

Organization of Conferences and Workshops

Feb 22-28, 2004: Workshop on Computational Electromagnetism, MFO Oberwolfach, Feb 4-10, 2007: Workshop on Computational Electromagnetics and Acoustics, MFO Oberwolfach, Feb 14-20, 2010: Workshop on Computational Electromagnetics and Acoustics, MFO Oberwolfach, Jul 5-7, 2010: Workshop on Advance Computational Electromagnetics (ACE), ETH Zurich Sep 11-14, 2012: Conference on Scientific Computing in Electrical Engineering (SCEE), ETH Zurich, Jan 20-26, 2013: Workshop on Computational Electromagnetics and Acoustics, MFO Oberwolfach, Feb 02-08, 2020: Workshop on Boundary Element Methods, MFO

Scholarships and Prizes

11/87-03/92: Scholarship of the Bavarian State, 02/90-12/92: Member of the German Scholarship Foundation, 07/00: SIAM Outstanding Paper Prize for the paper “Multigrid Methods for Maxwell’s equations”