

Curriculum Vitae — Arnd Scheel

Contact

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Employment

2011 – 2015	Associate Head, University of Minnesota
2004 – 2007	Deputy Director, Institute for Mathematics and its Applications,
2004 –	Professor, University of Minnesota
2001 – 2004	Associate Professor, University of Minnesota
1998 – 2001	Assistant Professor, FU Berlin
1993 – 1998	Research Fellow, FU Berlin
1991 – 1993	Research Fellow, U Stuttgart

Education

1991 – 1994	Graduate studies in Stuttgart and Berlin
1990 – 1991	DEA Turbulence et systèmes dynamiques, Nice
1987 – 1990	Undergraduate studies in Mathematics and Physics, Heidelberg

Degrees

2001	Habilitation, FU Berlin
1994	Doctoral degree, FU Berlin
1991	Diplôme d'Etudes Approfondie, Nice

Awards

2016	Fellow of SIAM
2016	Humboldt Research Award (Alexander-von-Humboldt Foundation)
2009	SIAM J.D. Crawford Prize
2007	SIAM Outstanding Paper Prize
2000	SIAM Outstanding Paper Prize

Grants

07/16 – 06/19	Pattern selection: growth, fronts, and defects (PI), NSF DMS-1612441
2016	DAAD Faculty Research Visit Grant (PI)
01/15 – 12/15	EAGER: A New Methodology for Studying Dynamical Systems Using Probabilistic Digital Logic (PI, w/ Kia Bazargan, EE), NSF CMMI-1450798
2013 – 2016	Pattern and wavenumber selection in the wake of fronts (PI), NSF DMS-1311740
2008 – 2013	Dynamics near Turing patterns: modulations, bifurcations, and defects (PI), NSF DMS-0806614
2008	DAAD Faculty Research Visit Grant (PI)
2005 – 2010	Institute of Mathematics and its Applications (Co-PI), NSF DMS-0439734
2005 – 2008	Coherent structures: Interaction and propagation of defects (PI), NSF DMS-0504271

2002 – 2005 Absolute and essential instabilities in spatially extended systems (PI), NSF DMS-0203301

Service

2019 – Associate Editor, SIAM Journal on Mathematical Analysis

2014 – Associate Editor, Acta Applicandae Mathematicae

2013 – 2018 Editor in Chief, SIAM Journal on Mathematical Analysis

2012 – Associate Editor, Applied Mathematics and Optimization

2011 – 2012 Corresponding Editor, SIAM Journal on Mathematical Analysis

2010 – Associate Editor, SIAM Journal on Applied Dynamical Systems

2007 – 2010 Associate Editor, SIAM Journal on Mathematical Analysis

2007 – Associate Editor, Journal of Nonlinear Science

2006 – Associate Editor, Journal of Dynamics and Differential Equations

2006 – 2014 Associate Editor, Int. Journal of Dynamical Systems and Differential Equation

2002 – Associate Editor, Dynamical Systems: An International Journal

2004 – 2007 Series Editor, IMA Volumes in Mathematics and its Applications

2002 – 2004 Section Chief Editor, DSWeb (SIAM)

— NSF Panelist (Applied PDEs, Dynamical Systems)

— Referee for Simons Foundation, ANR (France), NSF (Applied Mathematics, Theoretical Chemistry, Biomedical Engineering) German Science Foundation (DFG), NWO (Netherlands), American Chemical Society, NSERC (Canada), ISF (Israel), FWF (Austria), ERC (Rueope)