

# Curriculum Vitae — Arnd Scheel

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## 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

08/19 – 07/22	Patterns, geometry, and growth (PI), NSF DMS-1907391
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)