

Curriculum Vitae

Arnd Scheel

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, France
1987 – 1990 Undergraduate studies in Mathematics and Physics, Heidelberg

Degrees

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

Awards

2016 Fellow of SIAM
2016 Humboldt-Forschungspreis (Alexander-von-Humboldt Foundation)
2009 SIAM J.D. Crawford Prize
2007 SIAM Outstanding Paper Prize
2000 SIAM Outstanding Paper Prize
1990 – 1991 Fellowship of the German National Merit Foundation

Grants

07/16 – 06/19 Pattern selection: growth, fronts, and defects (PI), NSF DMS-1612441,
2016 DAAD Faculty Research Visit Grant (PI), \$8,000.
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), \$8,000.
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

2014 – Associate Editor, Acta Applicandae Mathematicae
2013 – 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)