Curriculum vitae

Contact:

Name:	Prof. Dr. Stephan Luckhaus
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Personal data: born 1953 in Remscheid, Germany

Professional Experience

1971-1975	student of mathematics with minor physics at the University of Münster, Germany
1979	Graduating (Diploma in Mathematics) with a thesis on: The Douglas Problem for Surfaces of Prescribed Mean Curvature
1975-1978	Ph D student in mathematics at the University of Heidelberg, Germany
1978	Ph D (Dr. rer. nat.) from University of Heidelberg. With a thesis on: Regularity for Solutions to Semilinear Elliptic Systems
1978	postdoc at the University of Bonn, Germany
1978-1983 and 1984-1988	postdoc at the University of Heidelberg
1983-1984	Visitor at University of Chicago with a grant from DFG
1988	Habilitation at the University of Heidelberg with a thesis on: The Parametric Capillarity Problem in Arbitrary Dimension
1988-1997	Professor (C3) for applied mathematics at the University of Bonn
1997	offers (C4) from the Universities of Bonn, Erlangen and Leipzig
Since 1997	Professor (C4, chair for Mathematical Optimization) at the University of Leipzig, Germany.
2001	offers from Freie Universität Berlin, and from Georgia Institute of Technology
2002	External Scientific Member of the Max Planck Institute MIS
2002	Member of the Academy of Science and Literature Mainz

1986 and 1988	Visiting Fellow at ANU, Canberra, Australia
1993 and 1994	Visiting Prof. 1ere cl. at University St Etienne, France
1997	Visiting Scholar at Stanford University
1999	Visiting Professor Scuola Normale Sup Pisa

Refereeing

- DAAD
- DFG
- NATO (scientific programs)
- NSF
- Dutch Science Council
- BMBF (German Ministry for Science and Technology)

Professional activities

- "Continuum Mechanics and Thermodynamic"
- Managing editor "Journal of Analysis and its Applications" (ZAA)

Teaching statement

I have been teaching courses to graduate and undergraduate students of mathematics and to students of other subjects.

Topics include:

PDE (graduate and undergraduate), Semigroups, ODE and bifurcation, Functional analysis, Stochastic differential equations, Numerics (undergraduate), Geometric measure theory, Free boundaries, Mathematical image analysis, Calculus of variations and optimal control.

I have organized student seminars - an integral part of the German curriculum - on:

Image analysis, Regularity theory for harmonic maps and minimal surfaces, Singular perturbations, Nonlinear functional analysis, Stochastic optimal control, Compactness methods in pde,

I have been teaching calculus to students of computer science, physics and business and computing,

I believe in exposing students in graduate courses to current research topics. Working with my own graduate students one of my main aims is to bridge the gap between hard rigorous mathematics and applications. I try to teach also the weaker students that advanced mathematics can be a useful tool e. g. in engineering and science. I think I have been successful up to a point.