GAMM Juniors

Sebastian Aland
- Background
  - Diploma in Mathematics, TU Dresden
  - PhD in Mathematics, TU Dresden
  - Currently PI in DFG-SPP1506 at TU Dresden
- Research Interests
  - Numerical simulation of PDEs
  - Modelling of complex two-phase flows

Robert Altmann
- Scientific Vita
  - Research stays in Seoul and Paris
  - Scientific assistant, TU Berlin
- Research Interests
  - Constrained PDEs (operator DAEs)
  - Adaptive simulation
  - Convergence of time-discretization methods

Stefanie Elgeti
- Vita
  - Diploma and PhD in mechanical engineering
  - Chief engineer at RWTH Aachen University
- Research Interests
  - Numerical design of engineering components
  - Free-surface and two-phase flows
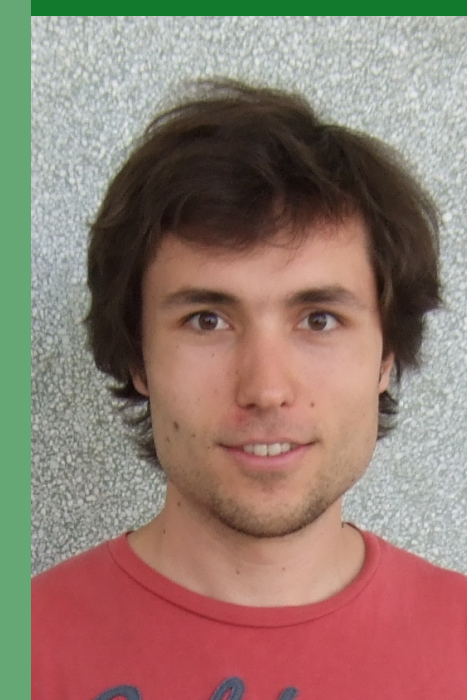 - Spline-based space-time FEM

Kathrin Flaßkamp
- Education
  - Postdoc at Northwestern University, USA
  - Ph.D. and Diploma in math from U Paderborn
- Research interests
  - Optimal Control
  - Variational Integrators for Robotics
  - Hybrid Systems

Jan Giesselmann
- Vita
  - PhD in mathematics, U Stuttgart
  - Research and teaching associate U Stuttgart
- Research Interests
  - Hyperbolic conservation laws
  - Compressible multiphase flows
  - Discontinuous Galerkin schemes

Martin Holler
- Education
  - Diploma in mathematics
  - Ph.D. from University of Graz
- Research Interests
  - Variational methods in imaging
  - Higher order regularization
  - Image/video decompression

Dominik Kern
- Education
  - Ph.D. from Karlsruhe Institute of Technology
  - Postdoc at TU Chemnitz
- Research Interests
  - Variational Integrators
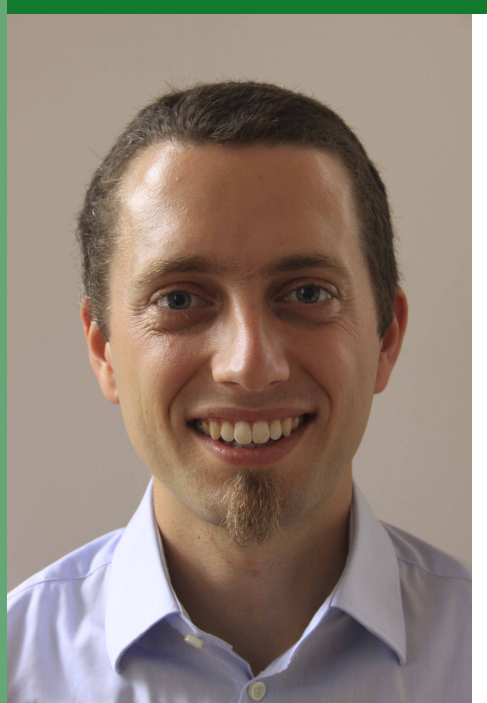 - Nonlinear and Optimal Control
  - Vibration-based Sensors

Lukas Lentz
- Education
  - M.Sc. in Engineering Science TU Berlin
  - PhD student at TU Berlin
- Research Interests
  - Nonlinear Dynamics in Energy Harvesting
  - Mechanical Systems under Random Excitation

Matthias Leuschner
- Education
  - Diploma in Technomathematics, KIT
  - Ph.D. student at KIT and U Stuttgart
- Research interests
  - Reduced order methods for multiscale material models
  - Potential-based material modeling

Matthias Müller
- Education
  - PhD in Mechanical Engineering, University of Stuttgart
  - Postdoctoral researcher at U Stuttgart
- Research Interests
  - Model predictive control
  - Distributed and cooperative control

Philipp Petersen
- Scientific Vita
  - Master thesis at TU Berlin
  - Researcher in DFG research center TRR 109
- Research Interests
  - Shearlet system
  - Numerical analysis of PDEs
  - Signal and image processing

Bojana Rosić
- Education
  - Dual degree Ph.D., TU Braunschweig –University of Kragujevac
  - Post-Doc, TU Braunschweig
- Research interests
  - UQ and Inverse problems
  - Elastoplasticity
  - System identification

Claudia Schillings
- Education
  - PhD / Postdoc, Universität Trier
  - Postdoc at SAM, ETHZ and U Warwick
- Research Interests
  - Numerical Analysis
  - UQ and Inverse Problems
  - Robust Optimization

Felix L. Schwenninger
- Education
  - Diploma in mathematics, TU Wien
  - Current: PhD at University Twente (NL)
- Research Interests
  - Operator theory
  - Functional calculus
  - Infinite dimensional systems theory

Petr Siegl
- CV
  - Ph.D. CTU in Prague & University of Paris 7
  - J. Hlavka Prize and 1st Degree Prize of CTU
  - SNF Ambizione Fellow
- Research Interests
  - Spectral theory & mathematical physics
  - Non-self-adjoint operators, pseudospectra
  - Graphene, damped systems

Karl Steeger
- Education (Universität Duisburg-Essen)
  - B.Sc. Civil Engineering
  - M.Sc. Computational Mechanics
  - Scientific assistant
- Research Interests
  - Development of mixed FE for elastodynamic and (an)isotropic hyperelastic material behavior

Martin Storath
- Vita
  - Diploma and PhD in mathematics, TU München
  - Currently: Postdoc at EPFL, Lausanne
- Research Interests
  - Mathematical signal and image processing
  - Jump-sparse recovery problems
  - Complex wavelets

Marita Thomas
- Vita
  - Member of research group PDEs, WIAS Berlin
  - PhD (HU Berlin), Diploma (U Stuttgart)
- Research interests
  - Damage & fracture
  - Mech. strained semiconductor heterostructures
  - PDE-theory, variational methods for evolution, BV-regularized problems

Melanie Todt
- Scientific Background
  - PhD in mechanical engineering, TU Vienna
  - Post-doctoral researcher at TU Vienna
- Research interests
  - Applicability of continuum mechanics to the nanoscale
  - Structural stability of carbon nanostructures

Gerd Wachsmuth
- Education
  - Diploma in mathematics, TU Chemnitz
  - Ph.D. from TU Chemnitz
- Research interests
  - MPCCs and Optimal control of VIs
  - Infinite dimensional optimization
  - Calculus of variations with convexity constr.

Karl Worthmann
- Education
  - PhD in Mathematics, University of Bayreuth
  - Fellow of German National Acad. Foundation
  - Assistant Professor for ODEs at TU Ilmenau
- Research Interests
  - Model predictive control and Nonlinear control
  - Sampled-data systems

Andreas Zieleniewicz
- Education
  - Diploma in Mechanics and Mathematics, TU Darmstadt
  - PhD Student at TU Darmstadt
- Research Interests
  - Turbulence modeling
  - Thermodynamic modeling of multiphase flows

Further members
- Alexandra Serafinska
- Andrea Beck
- Florian Kummer

Former members
- Ronny Behnke
- Thomas Berger
- Felix Fritzen
- Karsten Kahl
- Benjamin Klusemann
- Agnieszka Miedlar
- Annika Rademacher
- Armin Rund
- Sebastian Schöps