

# Peter Bella

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July 27, 2023  
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Married to Katarína Bellová, three children (Helena, Daniela, Lukas)  
(parental leave: May–Aug 2012, Nov 2014–Jan 2015, partially Jan 2019–Aug 2019).

## Work

- **Fakultät für Mathematik, Technische Universität Dortmund** Dortmund, Germany  
*Professor (W2) for Analysis* since 2019
- **Mathematisches Institut, Universität Leipzig** Leipzig, Germany  
*Emmy Noether Junior Group Leader* 2016 – 2019
- **Max Planck Institute for Mathematics in the Sciences** Leipzig, Germany  
*Postdoc* 2012 – 2016
  - Mentor: Felix Otto
- **Courant Institute of Mathematical Sciences** New York, NY, USA  
*Research Assistant* 2007–2012
- **Institute of Mathematics of the Academy of Sciences of Czech Republic** Prague, Czech Republic  
*Research Assistant* 2007

## Education

- **Courant Institute of Mathematical Sciences, New York University** New York, NY, USA  
*Ph.D. in Mathematics* 2007 – 2012
  - Advisor: Robert V. Kohn
  - Thesis project: Wrinkling as a relaxation of compressive stresses
- **Charles University** Prague, Czech Republic  
*Mgr. in Mathematics* 2002 – 2007
  - Advisor: Eduard Feireisl
  - Thesis: On models of gases in astrophysics
  - Graduated Summa Cum Laude, GPA 4.0, Program: Mathematical Analysis

## Research Funding

- **Limiting theories in Material Science: Mathematical derivation and Analysis** 2016–2023  
*Project in the DFG Emmy Noether program*
- **Multiscale structure in compliance minimization** 2020–2023  
*Project in the DFG Priority Programm 2256, with Benedikt Wirth (WWU Münster)*
- **Robust structures in compliance minimization** 2023–2026  
*Project in the DFG Priority Programm 2256, with Benedikt Wirth (WWU Münster)*
- **Analysis of randomly heterogeneous physical systems** 2019  
*ERC Starting Grant* Panel Rating A (not funded due to insufficient funds)

## Supervised PhD students, interns, and postdocs

Carlos Román Parra (postdoc, now Assis. Prof, UC Chile)	2017-2019
Adolfo Arroyo Rabasa (postdoc, now Chargé de Recherches at UCLouvain)	2017-2018
Mathias Schäffner (postdoc, now permanent position at Martin-Luther-University Halle)	2018-2019
Alaa Elshorbagy (postdoc)	2020-2022
Michael Kniely (postdoc, now Research Fellow WIAS Berlin)	2020-2022
Florian Oschmann (PhD student, now Postdoc Czech Academy of Sciences, Prague)	2019-2022
Romain Buguet (3 months Master Internship from ENS Lyon)	2022
Jonathan Fabiszisky (PhD student, co-advised at WWU Münster)	2020-
Roberta Marziani (postdoc)	2022-
Christopher Irving (postdoc)	2022-

## Publications

- 1) *Labeling planar graphs with a condition at distance two* (with D. Král, B. Mohar, K. Quittnerová), **European Journal of Combinatorics** **28**(8) (2007), 2201–2239. <https://doi.org/10.1016/j.ejc.2007.04.019>
- 2) *Long time behavior of weak solutions to Navier-Stokes-Poisson system*, **Journal of Mathematical Fluid Mechanics** **14** (2012), 279–294. <http://dx.doi.org/10.1007/s00021-011-0051-4>
- 3) *Long time behavior and stabilization to equilibria of solutions to the Navier-Stokes-Fourier system driven by highly oscillating unbounded external forces* (with E. Feireisl and D. Pražák), **Journal of Dynamics and Differential Equations** **25** (2013), 257–268. <http://dx.doi.org/10.1007/s10884-013-9299-0>
- 4) *Wrinkles as the result of compressive stresses in an annular thin film* (with R. V. Kohn), **Communications on Pure and Applied Mathematics** **67** (2014), no. 5, 693–747. <http://dx.doi.org/10.1002/cpa.21471>
- 5) *Metric-induced wrinkling of a thin elastic sheet* (with R. V. Kohn), **Journal of Nonlinear Science** **24** (2014), no. 6, 1147–1176. <http://dx.doi.org/10.1007/s00332-014-9214-9>
- 6) *Dimension reduction for compressible viscous fluids* (with E. Feireisl, A. Novotný), **Acta Applicanda Mathematica** **134** (2014), 111–121. <http://dx.doi.org/10.1007/s10440-014-9872-5>
- 7) *Nucleation barriers at corners for cubic-to-tetragonal phase transformation* (with M. Goldman), **Proceedings of the Royal Society of Edinburgh** **145A** (2015), 715–724. <http://dx.doi.org/doi:10.1017/S0308210515000086>
- 8) *Study of island formation in epitaxially strained films on unbounded domains* (with M. Goldman and B. Zwicknagl), **Archive for Rational Mechanics and Analysis** **218** (2015), no. 1, 163–217. <http://dx.doi.org/doi:10.1007/s00205-015-0858-x>
- 9) *Transition between planar and wrinkled regions in uniaxially stretched thin elastic film*, **Archive for Rational Mechanics and Analysis** **216** (2015), no. 2, 623–672. <http://dx.doi.org/doi:10.1007/s00205-014-0816-z>
- 10) *Robustness of strong solutions to the compressible Navier-Stokes system* (with E. Feireisl, B.J. Jin, A. Novotný), **Mathematische Annalen** **362** (2015), no. 1-2, 281–303. <http://dx.doi.org/doi:10.1007/s00208-014-1119-2>
- 11) *Corrector estimates for elliptic systems with random periodic coefficients* (with F. Otto) **Multiscale Modeling and Simulation** **14** (2016), no. 4, 1434–1462. <https://doi.org/10.1137/15M1037147>
- 12) *A rigorous justification of the Euler and Navier-Stokes equations with geometric effects* (with E. Feireisl, M. Lewicka, and A. Novotný), **SIAM Journal on Mathematical Analysis** **48** (2016), no. 6, 3907–3930. <https://doi.org/10.1137/15M1048963>
- 13) *Quantitative stochastic homogenization: local control of homogenization error through corrector* (with A. Giunti and F. Otto), **IAS/Park City Mathematics Series** **23**, Mathematics and Materials, 299–327. <https://doi.org/10.1090/pcms/023>

- 14) *Coarsening of folds in drapes* (with R. V. Kohn), **Communications on Pure and Applied Mathematics** **70** (2017), no. 5, 978–1021. <https://doi.org/10.1002/cpa.21643>.
- 15) *Wrinkling of a thin circular sheet bonded to a spherical substrate* (with R. V. Kohn), **Philosophical Transactions of the Royal Society A** **375** (2017), no. 2093, 20160157. <http://dx.doi.org/doi:10.1098/rsta.2016.0157>
- 16) *Stochastic homogenization of linear elliptic equations: higher-order error estimates in weak norms via second-order correctors* (with B. Fehrman, J. Fischer, and F. Otto), **SIAM Journal on Mathematical Analysis** **49** (2017), no. 6, 4658–4703. <https://doi.org/10.1137/16M110229X>
- 17) *Green's function for elliptic systems: moment bounds* (with A. Giunti), **Networks and Heterogeneous Media** **13** (2018), no 1, 155–176. <http://dx.doi.org/10.3934/nhm.2018007>
- 18) *A Liouville theorem for elliptic systems with degenerate ergodic coefficients* (with B. Fehrman and F. Otto), **Annals of Applied Probability** **28** (2018), no. 3, 1379–1422. <http://dx.doi.org/10.1214/17-AAP1332>
- 19) *A Liouville theorem for stationary and ergodic ensembles of parabolic systems* (with A. Chiarini and B. Fehrman), **Probability Theory and Related Fields** **173** (2019), no. 3, 759–812. <https://doi.org/10.1007/s00440-018-0843-z>
- 20) *Quenched invariance principle for random walks among random degenerate conductances* (with M. Schäffner), **Annals of Probability** **48** (2020), no. 1, 296–316. <https://doi.org/10.1214/19-AOP1361>
- 21) *On the regularity of minimizers for scalar integral functionals with  $(p, q)$ -growth* (with M. Schäffner), **Analysis & Partial Differential Equations** **13** (2020), no. 7, 2241–2257. <https://doi.org/10.2140/apde.2020.13.2241>
- 22) *Effective Multipoles in Random media* (with A. Giunti and F. Otto), **Communications in Partial Differential Equations** **45** (2020), no. 6, 561–640. <https://doi.org/10.1080/03605302.2020.1743309>
- 23) *Local boundedness and Harnack inequality for solutions of linear non-uniformly elliptic equations* (with M. Schäffner), **Communications on Pure and Applied Mathematics** **74** (2021), no. 3, 453–477. <https://doi.org/10.1002/cpa.21876>
- 24) *Non-uniformly parabolic equations and applications to the random conductance model* (with M. Schäffner), **Probability Theory and Related Fields** **182** (2022), no. 1-2, 353–397. <https://doi.org/10.1007/s00440-021-01081-1>
- 25) *Homogenization and low Mach number limit of compressible Navier-Stokes equations in critically perforated domains* (with F. Oschmann), **Journal of Mathematical Fluid Mechanics** **24**, Article number 79 (2022). <https://doi.org/10.1007/s00021-022-00707-1>
- 26) *Inverse of divergence and homogenization of compressible Navier-Stokes equations in randomly perforated domains* (with F. Oschmann), **Archive for Rational Mechanics and Analysis** **247**, 14 (2023) <https://doi.org/10.1007/s00205-023-01847-y>
- 27) *Lipschitz bounds for integral functionals with  $(p, q)$ -growth conditions* (with M. Schäffner), online first **Advances in Calculus of Variations**, <https://doi.org/10.1515/acv-2022-0016>
- 28) *Local boundedness for  $p$ -Laplacian with degenerate coefficients* (with M. Schäffner), **Mathematics in Engineering** **5**(5):1–20 (2023). <https://doi.org/10.3934/mine.2023081>
- 29) *Regularity of random elliptic operators with degenerate coefficients and applications to stochastic homogenization* (with M. Kniely), minor revision in **Stochastics and Partial Differential Equations: Analysis and Computations**. <https://arxiv.org/abs/2210.01192>
- 30)  *$\Gamma$ -convergence for nearly incompressible fluids* (with E. Feireisl and F. Oschmann), accepted for publication in **Journal of Mathematical Physics**. <https://arxiv.org/abs/2212.06729>
- 31) *On the incompressible limit of a strongly stratified heat conducting fluid* (with D. Basarić, E. Feireisl, F. Oschmann, and E. Titi), **Journal of Mathematical Fluid Mechanics** **25**, Article number 56 (2023). <https://doi.org/10.1007/s00021-023-00791-x>
- 32) *The incompressible limit for the Rayleigh-Bénard convection problem* (with E. Feireisl and F. Oschmann), accepted for publication in **Communications in Mathematical Physics**. <https://arxiv.org/abs/2206.14041>
- 33) *Dawn of Dead(line Misses): Impact of Job Dismiss on the Deadline Miss Rate* (with Jian-Jia Chen, Mario Guenzel, Georg von der Brüggen, and Kuan-Hsun Chen), submitted to a computer science conference.

## Teaching

### Lectures and seminars:

- Analysis I für Lehramt Gymnasium und Berufskolleg TU Dortmund, Winter Semester 2023/2024
- Partielle Differentialgleichungen I TU Dortmund, Winter Semester 2023/2024
- Fourieranalysis I TU Dortmund, Summer Semester 2023
- Proseminar zu Analysis III TU Dortmund, Summer Semester 2023
- Partielle Differentialgleichungen I TU Dortmund, Winter Semester 2022/2023
- Proseminar zu Analysis III TU Dortmund, Summer Semester 2022
- Einführung in die Partiellen Differentialgleichungen TU Dortmund, Summer Semester 2022
- Master-Seminar in Analysis TU Dortmund, Winter Semester 2021/2022
- Analysis III TU Dortmund, Winter Semester 2021/2022
- Einführung in Diskrete Mathematik TU Dortmund, Summer Semester 2021
- Analysis II TU Dortmund, Summer Semester 2021
- Fourieranalysis II TU Dortmund, Winter Semester 2020/2021
- Analysis I TU Dortmund, Winter Semester 2020/2021
- Fourieranalysis I TU Dortmund, Summer Semester 2020
- Funktionalanalysis II TU Dortmund, Summer Semester 2020
- Bachelor-Seminar in Analysis TU Dortmund, Winter Semester 2019/2020
- Funktionalanalysis I TU Dortmund, Winter Semester 2019/2020
- Stochastische Homogenisierung TU Dortmund, Summer Semester 2019
- Variationsrechnung Leipzig University, Winter Semester 2018/2019
- Fourier Analysis II Leipzig University, Summer Semester 2016
- Fourier Analysis Leipzig University, Winter Semester 2015/2016

### Experience as Teaching Assistant for:

- Analysis I New York University, Spring 2012
- Calculus I New York University, Fall 2011
- Calculus I New York University, Fall 2010
- Abstract Algebra New York University, Spring 2009
- Algebra and Calculus New York University, Fall 2008
- Calculus for Social Sciences New York University, Spring 2008
- Calculus I New York University, Fall 2007
- Calculus Proseminar Charles University, Fall 2006
- Calculus Proseminar Charles University, Spring 2006
- Calculus Proseminar Charles University, Fall 2005
- Discrete Mathematics Charles University, Fall 2004

## Awards and Honors

Harold Grad Memorial Prize for outstanding performance, Courant Institute . . . . .	2011
Dean's Dissertation Fellowship, NYU . . . . .	2011 – 2012
MacCracken Doctoral Fellowship, NYU . . . . .	2007 – 2012
First prize at the Czech and Slovak Student Scientific Conference in the section Mathematical Analysis, Czech Republic . . . . .	2007
First prize at the Czech and Slovak Student Scientific Conference in the section Mathematical Structures – Combinatorics (with K. Quittnerová), Czech Republic . . . . .	2005
First prize at the International Competition in Mathematics, Macedonia . . . . .	2004
Gold medal (16th place) at the International Olympiad in Informatics, South Korea . . . . .	2002
Absolute winner (1st place) of the Central European Olympiad in Informatics, Slovakia . . . . .	2002
Bronze medal at the International Mathematics Olympiad, UK . . . . .	2002

## Invited talks at conferences and workshops

- Plenary Speaker at 7th Najman conference on Spectral Theory and Differential Equations, Brijuni, Croatia (Sept 2023)
- Nonlocal Equations: Analysis and Numerics, Bielefeld, Germany (March 2023)
- 2nd IST Austria Summer School in Analysis and PDEs, IST Austria, Klosterneuburg, Austria (July 2022)
- Mathematical Methods for Complex Phenomena, U. Regensburg, Germany (March 2022)
- 21st GAMM Seminar on Microstructures, TU Wien, Austria (Jan 2022)
- Modeling of Crystalline Interfaces and Thin Film Structures: A Joint Mathematics-Physics Symposium, Erwin Schrödinger Institute, Vienna, Austria (Nov 2019)
- Mathematics for Mechanics, UTIA Czech Academy of Sciences, Prague, Czechia (Oct 2019)
- Mathematical Models for Pattern Formation, CMU, Pittsburgh, PA (March 2019)
- Mathematics of thin structures (Modeling, Analysis and Simulation), Dresden, Germany (Sept 2018)
- Prague Compressible Meeting, Prague, Czech Republic (December 2017)
- Multiscale problems and relaxation in nonlinear elasticity, Dresden, Germany (July 2017)
- Modern trends in continuum mechanics, Zagreb, Croatia (April 2017)
- Fourth Workshop on Thin Structures, Naples, Italy (Sept 2016)
- PIRE-CNA 2016 Summer School: “New Frontiers in Nonlinear Analysis for Materials”, CMU, Pittsburgh, PA (June 2016)
- Calculus of Variations, MFO Oberwolfach (July 2014)
- Pattern Formation and Multiscale Phenomena in Materials, Oxford University, UK (Sept 2011)
- Strain Induced Shape Formation: Analysis, Geometry and Materials Science, IMA, Minneapolis, MN (May 2011)

## Contributed and seminar talks

- New Horizons in Motions in Random Media, MFO Mini-Workshop (Feb 2023)
- Dortmund-Hagen-Wuppertal Analysis Meeting, Dortmund (Jan 2023)
- Quantitative Stochastic Homogenization, MFO Oberwolfach (Oct 2022)
- Analysis, PDEs and Applications - NADu22, CAAS Dubrovnik, Croatia (June 2022)
- Applied Analysis Seminar, University of Heidelberg, Germany (May 2022)

- SIAM Conference on Analysis of Partial Differential Equations (PD22) - section “Disordered Media and Homogenization”, Berlin, Germany (March 2022)
- SIAM Conference on Analysis of Partial Differential Equations (PD22) - section “Homogenization of Random Singular Structures”, Berlin, Germany (March 2022)
- Nečas PDE Seminar, Institute of Mathematics CAS, Prague, Czech Republic (Sept 2021)
- University Bielefeld, Germany (Jan 2020)
- TriCity Workshop, RWTH Aachen, Germany (Dec 2019)
- WWU Münster, Germany (Dec 2019)
- MLU Halle, Germany (April 2019)
- Institute for Science and Technology, Austria (April 2018)
- Mathematical Institute, University of Oxford (Feb 2017)
- University of California, Santa Barbara, Applied/PDE Seminar (Feb 2016)
- Second Leipzig-Prague Weekend seminar (May 2015)
- Seminar on PDE and Mathematical Physics, Universität Zürich (March 2014)
- GAMM Annual Meeting, Minisymposium on “Variational Models in Elasticity and Plasticity”, Erlangen (Mar 2014)
- Workshop on Implicitly constituted materials: Modeling, analysis, and computing, Liblice, Czech Republic (Nov 2013)
- Oberseminar Analysis, Institute for Applied Mathematics, Universität Bonn (Nov 2013)
- Graduate Seminar Analysis, RWTH Aachen University (Nov 2013)
- First Leipzig-Prague Weekend seminar (Oct 2013)
- Seminar on Qualitative theory of Partial Differential Equations, Comenius University, Bratislava (Oct 2013)
- SIAM Conference on Mathematical Aspects of Material Science - section “Stress-induced Wrinkling of Thin Elastic Sheets”, Philadelphia (June 2013)
- SIAM Conference on Mathematical Aspects of Material Science - section “From Microscopic to Continuum: Variational Multiscale Methods”, Philadelphia (June 2013)
- Seminar on PDEs, Institute of Mathematics CAS, Prague, Czech Republic (Dec 2012)
- Weierstrass Institute for Applied Analysis and Stochastics, Berlin, Germany (Jan 2012)
- Max Planck Institute, Leipzig, Germany (Jan 2012)
- SIAM Conference on Analysis of Partial Differential Equations (PD11), San Diego, CA (Nov 2011)
- Seminar on PDEs, Institute of Mathematics CAS, Prague, Czech Republic (June 2011)
- Material Working Group Seminar, Courant Institute (Oct 2010)
- Comenius University Alumni Week, Bratislava, Slovakia (Dec 2009)

## Participation in Workshops and Conferences

- **7th Najman conference on Spectral Theory and Differential Equations** Brijuni, Croatia  
Sept 17-24, 2023
- **Nonlocal Equations: Analysis and Numerics** Bielefeld, Germany  
Mar 6-10, 2023  
*Universität Bielefeld*

- **New Horizons in Motions in Random Media**  
*MFO Mini-Workshop*  
Oberwolfach, Germany  
Feb 26-Mar 4, 2023
- **Applied Analysis – a celebration of the science of Bob Kohn**  
*Simons Foundation Flatiron Institute*  
New York, USA  
Nov 5-7, 2022
- **Quantitative Stochastic Homogenization**  
*MFO Arbeitsgemeinschaft*  
Oberwolfach, Germany  
Oct 16-Oct 22, 2022
- **Analysis, PDEs and Applications - NADu22**  
*CAAS*  
Dubrovnik, Croatia  
June 19-June 25, 2022
- **Analysis of Partial Differential Equations (PD22)**  
*SIAM Conference*  
Berlin, Germany/online  
March 14-March 18, 2022
- **Homogenization Theory: Periodic and Beyond**  
*MFO Workshop*  
Oberwolfach, Germany/online  
March 14-March 20, 2021
- **Mathematics of topological insulators**  
*AIM Workshop*  
NYC, USA/online  
Dez 7-Dez 11, 2020
- **Modeling of Crystalline Interfaces and Thin Film Structures**  
*Erwin Schrödinger Institute*  
Vienna, Austria  
Nov 11-Nov 15, 2019
- **Mathematics for Mechanics**  
*UTIA Czech Academy of Sciences*  
Prague, Czechia  
Oct 21-Nov 1, 2019
- **Mathematical Models for Pattern Formation**  
*CNA Workshop*  
Pittsburgh, USA  
March 8-March 10, 2019
- **Mathematics of thin structures (Modeling, Analysis and Simulation)**  
*TU Dresden*  
Dresden, Germany  
Sept 26-28, 2018
- **Prague Compressible Meeting**  
*Institute of Mathematics, Czech Academy of Sciences*  
Prague, Czech Republic  
Dec 18-20, 2017
- **Multiscale problems and relaxation in nonlinear elasticity**  
*TU Dresden*  
Dresden, Germany  
July 4-5, 2017
- **Modern trends in continuum mechanics**  
*University of Zagreb*  
Zagreb, Croatia  
April 3-6, 2017
- **Fourth Workshop on Thin Structures**  
Naples, Italy  
September 8-10, 2016
- **New Frontiers in Nonlinear Analysis for Materials**  
*PIRE-CNA 2016 Summer School, CMU*  
Pittsburgh, USA  
June 2-10, 2016
- **Geometry, elasticity, fluctuations, and order in 2D soft matter**  
*Kavli Institute for Theoretical Physics, UCSB*  
Santa Barbara, USA  
January 25-February 12, 2016
- **Stochastic Homogenization**  
*Oberwolfach Seminar*  
Oberwolfach, Germany  
September 6-12, 2015
- **Interplay of Analysis and Probability in Applied Mathematics**  
*MFO Workshop*  
Oberwolfach, Germany  
July 26-August 1, 2015
- **Geometric Analysis, Free Boundary Problems and Measure Theory**  
*MPI Leipzig*  
Leipzig, Germany  
June 15-17, 2015
- **Calculus of Variations**  
*MFO Workshop*  
Oberwolfach, Germany  
July 13-19, 2014
- **GAMM Annual Meeting 2014**  
Erlangen, Germany  
March 10-14, 2014
- **Implicitly constituted materials: Modeling, analysis, and computing**  
*MORE Workshop*  
Liblice, Czech Republic  
Nov 24-27, 2013
- **Equadiff 13**  
Prague, Czech Republic  
August 26-30, 2013
- **Geometric Measure Theory and Optimal Transport**  
*ICTP Workshop*  
Trieste, Italy  
July 27-August 2, 2013
- **Emerging structures in Analysis and Probability**  
*Leipzig University*  
Leipzig, Germany  
June 24-26, 2013

- **Mathematical Aspects of Material Science (minisymposium organizer)** Philadelphia, USA  
*SIAM Conference* June 9-12, 2013
- **Modern Perspectives on Thin Sheets: Geometry, Elasticity, and Statistical Physics** Leiden, NL  
*Lorentz Center Workshop* Sept 3-7, 2012
- **Analysis of Partial Differential Equations (minisymposium organizer)** San Diego, USA  
*SIAM Conference* Nov 14-17, 2011
- **Pattern Formation and Multiscale Phenomena in Materials** Oxford, UK  
*Mathematical Institute, University of Oxford* Sept 26 - 28, 2011
- **Strain Induced Shape Formation: Analysis, Geometry and Materials Science** Minneapolis, USA  
*Institute for Mathematics and Its Applications* May 16 - 20, 2011
- **Summer School in Calculus of Variations and PDEs** Ischia, Italy  
*GNAMPA - ERC* June 13 - 18, 2010
- **Mathematical Aspects of Material Science** Philadelphia, USA  
*SIAM Conference* May 23 - 26, 2010
- **Rivière–Fabes Symposium on Analysis and PDE** Minneapolis, USA  
*University of Minnesota* April 23 - 25, 2010
- **Analysis of nonlinear PDEs: Applications to homogenization** Vancouver, Canada  
*Pacific Institute for the Mathematical Sciences* July 20-24, 2009
- **Asymptotic analysis in the calculus of variations and PDEs** Vancouver, Canada  
*Pacific Institute for the Mathematical Sciences* July 6-10, 2009
- **Contemporary Topics in Nonlinear PDEs** Pittsburgh, USA  
*Center for Nonlinear Analysis, CMU* May 29 - Jun 7, 2008
- **Workshop on Geomaterials** Prague, Czech Republic  
*Nečas Center for Mathematical Modeling* Sep 25-27, 2006
- **Variational Analysis and its Applications** Paseky nad Jizerou, Czech Republic  
*Spring School, Charles University* April 23-29, 2006
- **Function spaces and Applications** Paseky nad Jizerou, Czech Republic  
*Spring School, Charles University* May 29 - June 4, 2006
- **Spring School on Combinatorics** Vysoká Lípa, Czech Republic  
*Charles University* May 3 - 13, 2004
- **Spring School on Combinatorics** Borová Lada, Czech Republic  
*Charles University* May 12 - 18, 2003

## Academic Service and Contributions

- Faculty hiring committees (4x Mathematics, 1x Informatics, 1x Statistics, 1x Mathematics RU Bochum).
- Head of Dissertation committees (2).
- Organizer of the joint Oberseminar ANALYSIS - PROBABILITY at MPI/Universität Leipzig
- Organizer of the Minisymposium at SIAM PDE 2011
- Organizer of the Oberseminar Applied Analysis at TU Dortmund

## References

**Prof. Dr. Eduard Feireisl**  
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**Prof. Dr. Felix Otto**  
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Leipzig, Germany  
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**Prof. Dr. Robert V. Kohn**  
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New York, USA  
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**Prof. Dr. Stefan Müller**  
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