Monday, 30.11.2015, 12:00 – 17:20

12:00 – 13:20	Registration
13:20 – 13:30	Opening
13:30	**Susanna Terracini:** Entire solutions and spiralling asymptotic profiles of competition-diffusion systems
14:15	**Wolfgang Arendt:** Diffusion governed by non-local boundary conditions
15:00	**Danielle Hilhorst:** Large time behavior in order preserving dynamical systems with mass conservation
15:45 – 16:00	Poster Announcements
	Markus Gahn: Effective models including dynamic Wentzell-type transmission conditions for domains separated by a thin heterogeneous layer
	Kamel Ali Khelil: Stability of neutral functional equations with multiple delays
	Michał Łasica: Facets in non-smooth anisotropic curvature flows in the plane
	Mohamed Vall Ould Moustapha: Wave kernels for the Maass Laplacians on the hyperbolic plane and with the Morse Potential
	Athanasios Stylianou: Modelling the interface between two ferrofluids
	Anna Zubkova: On a generalized Poisson–Nernst–Planck system
16:00 – 16:30	Coffee & Poster
16:30	**Tomáš Roubíček:** Waves in solids involving inelastic processes and their efficient numerical approximation
16:55	**Christina Lienstromberg:** On the analysis of microelectromechanical systems with general permittivity

Tuesday, 01.12.2015, 09:00 – 17:20

09:00	**Xavier Cabré:** Curves and surfaces with constant nonlocal mean curvature
09:45	**Giampiero Palatucci:** The obstacle problem for nonlocal integro-differential operators
10:10 – 10:40	Coffee & Poster
10:40	**Serena Dipierro:** Boundary regularity for nonlocal minimal surfaces
11:05	**Etienne Emmrich:** The peridynamic model in nonlocal elasticity theory
11:50	**Matteo Novaga:** Nonlocal isoperimetric problems
12:35 – 12:40	Group Photo
12:40 – 14:00	Lunch
14:00	**Hans-Dieter Alber:** A non-Griffith based phase field fracture model — comparison with other models and numerical results
14:45	**Jana Kopfová:** Thermo-elasto-plastic contact problems with fatigue
15:10 – 15:45	Coffee & Poster
15:45	**Augusto Visintin:** Compactness and Structural Stability of Nonlinear Flows
16:30	**Mario Bukal:** Fourth-order q-logarithmic equations
16:55	**Jonathan Zinsl:** Exponential convergence to equilibrium in a Poisson-Nernst-Planck-type system
17:30	Guided STOLPERSTEIN tour (English)

Wednesday, 02.12.2015, 09:00 – 18:25

09:00	**Tom ter Elst:** Hölder estimates for second-order operators on domains with rough boundary
09:45	**Fabio Paronetto:** A Harnack's inequality for mixed type evolution equations
10:10	**Robert Haller-Dintelmann:** The Kato square root property for mixed boundary conditions
10:35 – 11:05	Coffee & Poster
11:05	**Pascal Auscher:** Elliptic systems and Dirac operators
11:50	**Moritz Egert:** Mixed boundary value problems on cylindrical domains
12:15	**Patrick Tolksdorf:** $\mathcal{R}$-sectoriality of higher-order elliptic systems on general bounded domains
12:40 – 14:00	Lunch
14:00	**Aldo Pratelli:** New results about approximation of Sobolev homeomorphisms
14:45	**Eleonora Cinti:** Quantitative flatness results for nonlocal minimal surfaces in low dimensions
15:10	**Joachim Escher:** On geodesic flows on Fréchet–Lie groups
15:55 – 16:30	Coffee & Poster
16:30	**Juha Lehrbäck:** Hardy and Hardy–Sobolev inequalities on general open sets
17:15	**Nikolaos Roidos:** The porous medium equation on manifolds with conical singularities
17:40	**Camillo De Lellis:** A Nash-Kuiper theorem for $C^{1,1/5}$ isometric immersions of disks
19:00 – 22:00	Dinner at the historic 'Umspannwerk Ost' 10243 Berlin, Palisadenstr. 48

Thursday, 03.12.2015, 09:00 – 17:15

09:00	**Andrey Shishkov:** Very singular and large solutions of semi-linear parabolic and elliptic equations with degenerate absorption potential
09:45	**Arrigo Cellina:** The regularity of solutions to the p-Laplace equation for $2 \leq p < 3$
10:10	**James Kennedy:** Nonlinear semigroups on rough domains via j-elliptic functionals
10:35 – 11:05	Coffee & Poster
11:05	**Bernd Kawohl:** On the geometry of the p-Laplacian operator
11:50	**Matthias Liero:** On $p(x)$-Laplace thermistor models describing electrothermal feedback in organic semiconductor devices
12:15	**Joachim Naumann:** Existence of weak solutions to a generalized thermistor problem with $\boldsymbol{p}$-current-voltage relations: the unsteady case
12:40 – 14:00	Lunch
14:00	**Ben Schweizer:** Dispersive models for waves in heterogeneous media
14:45	**Julia Orlik:** Evolutional contact with Coulomb's friction on a periodic microstructure
15:10	**Yumi Cho:** Nonlinear gradient estimates for generalized elliptic equations with nonstandard growth in nonsmooth domains
15:35 – 16:05	Coffee & Poster
16:05	**Maria Neuss-Radu:** Homogenization of reaction–diffusion processes in a porous medium with nonlinear flux condition at the interface. Applications to cellular processes
16:50	**Julian Fischer:** A higher-order large-scale regularity theory for random elliptic operators
17:30	Guided STOLPERSTEIN tour (German)
18:30	'The Botticelli Renaissance' guided visit (English / German) of the special exhibition at Gemäldegalerie, 10785 Berlin, Matthäikirchplatz

Friday, 04.12.2015, 09:00 – 12:45

09:00	**Jan Prüß:** Modeling and Analysis of Nematic Liquid Crystal Flows
09:45	**Senjo Shimizu:** Local existence of compressible two-phase flows with phase transitions
10:10	**Lutz Recke:** Smooth Parameter Dependence of Solutions to Parabolic and Hyperbolic Initial-Boundary Value Problems: A Comparison
10:35 – 11:05	Coffee
11:05	**Philippe Laurençot:** A thin film Muskat problem
11:50	**Wolf-Patrick Düll:** On the mathematical justification of reduced models for water waves
12:15	**Arthur Kierkels:** On a kinetic equation arising in weak turbulence theory for the nonlinear Schrödinger equation
12:40 – 12:45	Closing
12:45 – 14:00	Lunch