Mittwoch (13.02.2013)

7:45-9:50	**Frühstück / Anreise**
9:50-10:00	**Begrüßung**
10:00-11:00	**Peter Kandolf** „Computing the action of matrix functions" (30') **Antti Koskela** „Moment-matching Arnoldi iteration for linear combinations of phi-functions" (30')
11:00-11:30	**Pause**
11:30-12:30	**Volker Grimm** „Resolvent Krylov subspace approximations to C_0 semigroups" (30') **Tanja Göckler** „Convergence analysis of an extended resolvent Krylov subspace method for the approximation of operator functions in exponential integrators" (30')
12:30-14:30	**Mittagessen**
14:30-16:00	**Abdullah Demirel** „Optimized exponential multistep methods" (30') **Vu Thai Luan** „Exponential B-series" (30') **Alexander Ostermann** „Exponential integrators for non autonomous parabolic problems" (30')
16:00-16:30	**Kaffee-/Kuchenpause**
16:30-18:15	**Katharina Schratz** „Asymptotic approximation schemes for the non-relativistic Klein-Gordon equation" (45') **Daniel Weiß** „Integrating highly-oscillatory mechanical systems with solution-dependent frequencies" (30') **Julia Schweitzer** „Parabolic problems with extrinsic oscillations" (30')
18:30-20:00	**Abendessen**
20:00-20:40	**Kurzvorträge** **Björn Braun** „Regularization of Nonholonomic Constraints" (5') **Simone Buchholz** „Diskrete-Gradienten-Verfahren angewandt auf Gradientensysteme als Regularisierungsverfahren in der Bildbearbeitung" (5') **Lukas Fath** „Numerical methods for Hamiltonian systems" (5') **Tobias Hell** „Corner singularities and dimension splitting" (5') **David Hipp** „Numerical methods for PDEs on evolving domains" (5') **Lena Martin** „Rational Krylov subspace methods for functions of structured matrices" (5') **Martina Prugger** „Splitting methods for the Euler equations" (5') **Andreas Sturm** „Runge-Kutta schemes and stabilized finite element methods for first order PDE system" (5')

Donnerstag (14.02.2013)

7:45-9:00	Frühstück / Anreise
9:00-10:30	**Dhia Mansour** „Full discretization of parabolic PDEs on evolving surfaces" (45') **Tomislav Pazur** „Implicit Runge-Kutta schemes and discontinuous Galerkin method for first-order PDE systems" (45')
10:30-11:00	Pause
11:00-12:30	**Christian Lubich** „A projector-splitting integrator for dynamical low-rank approximation" (30') **Hermann Mena** „Numerical solution of matrix equations in control problems" (30') **Bilal Haddou-Temsamani** „An adaptive wavelet collocation method" (30')
12:30-14:00	Mittagessen
14:00-18:30	Wanderung
18:30-20:00	Abendessen

Freitag (15.02.2013)

7:45-9:00	Frühstück / Anreise
9:00-10:30	**Markus Neher / Christian Knieling** „E-Learning in der Ingenieurmathematik" (45') **Lukas Einkemmer** „Splitting methods for Vlasov-type equations" (45')
10:30-11:00	Pause
11:00-12:30	**Gregor Ehrensperger** „Fast algorithms for binary morphological operations using run-length encoding" (20') **Jonathan Seyrich** „Numerical long-term integration of geodesic equations of motion" (30') **Gregor Spielberger** „ARMA processes in structural health monitoring" (20') **Petra Csomos** „Exponential integrators for shallow water equations" (20')
12:30-14:00	Mittagessen
14:00-14:50	**Rui Zhan** „Stability analysis of exponential integrators for delay differential equations" (20') **Bernd Brumm** „A fast matrix-free algorithm for the product of a Galerkin matrix times a coefficient vector" (30')
14:50-16:00	Diskussion & Kaffee-/Kuchenpause & Verabschiedung

Stand: 6.2.2013