International Conference on Evolution Equations
Schmitten, October 11-15, 2010

LIST OF TALKS

Helmut Abels
Diffuse interface models for two-phase flows with different densities

Herbert Amann
Parabolic transmission boundary value problems

Pascal Auscher
to be announced

Charles Batty
Integral resolvent conditions

Jussi Behrndt
Inverse Problems of Calderón Type

Zdzislaw Brzezniak
Weak solutions to stochastic geometric wave equations

Vicent V. Caselles
Regularity for solutions of the total variation denoising problem

Michel Crouzeix
Functional calculus in an annulus

Guisseppe Da Prato
Elliptic equations in open subsets of infinite dimensional Hilbert spaces

Daniel Daner
The Faber-Krahn inequality for Robin problems

Robert Denk
Maximal Lp-regularity for parabolic mixed-order systems

Wolfgang Desch
On a Paley-Littlewood inequality.

Etienne Emmrich
Doubly nonlinear evolution equations of second order: Existence and fully discrete approximation

Joachim Escher
On some geometric evolution equations in hydrodynamics

Daoyuan Fang
Random data Cauchy theory for the incompressible three dimensional Navier-Stokes equations

Bálint Farkas
Operator splitting for non-autonomous equations

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LIST OF TALKS

Reinhard Farwig
> to be announced

Angelo Favini
> Fractional powers and interpolation spaces for multivalued linear operators and applications

Eduard Feireisl
> On suitable weak solutions to the compressible Navier-Stokes system

Giovanni Paolo Galdi
> A local regularity result for weak solutions of the Navier-Stokes equations

Matthias Geissert
> Weak Neumann implies Stokes

Mi-Ho Giga
> Planar motion by anisotropic curvature derived from singular interfacial energy

Yoshikazu Giga
> Blow-up arguments and the Navier-Stokes equations

Jerome Goldstein
> Instantaneous blowup and related nonexistence issues

Benjamin Goldys
> to be announced

Patrick Guidotti
> The use of nonlinear diffusions in image processing

Robert Haller-Dintelmann
> The square root of divergence form operators with mixed boundary conditions

Horst Heck
> Stationary solutions of the Navier-Stokes equations in the exterior of a rotating obstacle

Toshiaki Hishida
> 2D flow around a rotating obstacle

Tomasz Hytönen
> Return to the treasure island of Bourgain

Nigel Kalton
> Euclidean structures and the theory of sectorial operators

Herbert Koch
> Parabolic equations with rough initial data

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LIST OF TALKS

Hermann König
> On the chain rule functional equation for differentiable functions

Hideo Kozono
> to be announced

Nicolai Krylov
> A few results on VMO spaces and linear and fully nonlinear elliptic and parabolic equations

Irena Lasiecka
> Global attractors for 2-D Kirchoff-Boussinesque evolutions

Yuri Latushkin
> The index formula and the spectral shift function for relatively trace class perturbations

Stig-Olof Londen
> On some stochastic integral equations

Luca Lorenzi
> Asymptotic behaviour in time periodic parabolic problems with unbounded coffcients

Alessandra Lunardi
> Dirichlet problems for Ornstein-Uhlenbeck operators in Hilbert spaces

Alexander Mahalov
> to be announced

Jose Mazon
> Regularity results on the relativistic heat equation

Alan McIntosh
> Potential maps for de Rham complexes on Lipschitz domains

Giorgio Metafune
> Elliptic operators with unbounded diffusion coefficients in L^p spaces

Alexander Mielke
> Gradient structures for reaction-diffusion systems and semiconductor models with interface dynamics

Šárka Nečasová
> On a model in radiation hydrodynamics

Frank Neubrander
> Approximation of semigroups and inversion of the Laplace transform

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LIST OF TALKS

Shinnosuke Oharu
> to be announced

Felix Otto
> to be announced

Diego Pallara
> Semigroups and geometric measure theory in Wiener spaces

Michel Pierre
> Global weak solutions for reaction-diffusion systems: a mixed L^1 - L^2 approach

Reinhold Racke
> Global solutions to hyperbolic Navier-Stokes equations

Joachim Rehberg
> to be announced

Michael Renardy
> Stability of advective systems and creeping flows of viscoelastic fluids

Derek Robinson
> Markov uniqueness of degenerate elliptic operators

Michael Röckner
> Stochastic nonlinear diffusion equations with singular diffusivity

Wolfgang Ruess
> Linearized stability for nonlinear evolution equations

Jürgen Saal
> H^∞-calculus for truly cylindrical boundary value problems

Okihiro Sawada
> Analyticity rate of solutions to the Euler equations

Elmar Schrohe
> A Quasi-stationary Stefan Problem with Surface Tension

Yoshihiro Shibata
> On the Stokes equations with first order boundary condition and its application to the Navier-Stokes equations

Senjo Shimizu
> Local well-posedness of incompressible two-phase flow with phase transition

Gieri Simonett
> On the Rayleigh-Taylor instability for the two-phase Navier-Stokes equations

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Wilhelm Stannat
> Stochastic Navier-Stokes-Coriolis equations

Tom ter Elst
> Partial Gaussian bounds for degenerate differential operators

Edriss Titi
> Global regularity for the three-dimensional primitive equations of atmospheric and oceanic dynamics

Roberto Triggiani
> Stabilization and backward uniqueness of parabolic-hyperbolic fluid structure interaction models

Jan van Neerven
> Identification of the domain in L^p of non-symmetric Ornstein-Uhlenbeck operators

Juan Luis Vazquez
> to be announced

Mark Veraar
> Stochastic maximal regularity

Vincenzo Vespri
> A new approach to prove regularity of solutions of degenerate/parabolic equations

Jürgen Voigt
> to be announced

Petra Wittbold
> Nonlinear parabolic equation with variable exponents and L^1 data

Ian Wood
> Spectral Theory via operator M-functions - forward and inverse problems

Masao Yamazaki
> The unique existence and the stability of solutions of two-dimensional Navier-Stokes exterior problem with external force with symmetry