CONFERENCE PROGRAM

Monday, July 6th

14.00-14.15 **Opening.**

14.15-14.50 **G. Da Prato:** *An integral inequality for the invariant measure of a differential stochastic equation.*

14.55-15.30 **A. Miranville:** *The phase-field crystal model with logarithmic nonlinear term.*

15.35-16.00 **D. Addona:** *Systems of Kolmogorov equations and applications.*

16.05-16.30 **Coffee break.**

16.30-17.05 **L. Weis:** *The Floquet transform on L^p-spaces and periodic problems.*

17.10-17.35 **S. Ferrari:** *Sobolev spaces with respect to weighted Gaussian measures in infinite dimensions.*

17.40-18:15 **D. Mugnai:** *Degenerate singular parabolic problems with non smooth coefficients.*

18.20-18:55 **G. Marinoschi:** *An optimal control approach to the optical flow problem.*

Tuesday, July 7th

9.00-9.35 **I. Lasiecka:** *Global attractors for full von Karman systems with thermal effects.*

9.40-10.15 **M. Choulli:** *Gaussian lower bound for the Neumann Green function of a general parabolic operator.*

10.20-10.45 **L. Angiuli:** *Semilinear nonautonomous parabolic equations with unbounded coefficients in the linear part.*

10.50-11.15 **Coffee break.**

11.15-11.50 **F. Alabau-Boussouira:** *Control of degenerate wave equations for general diffusion coefficients.*

11.55-12.30 **P. Martinez:** *The cost of controlling degenerate parabolic equations.*

12.35-13.00 **R. Guglielmi:** *Optimal control of the Fokker-Planck equation.*

13.05-14.40 **Lunch.**

14.40-15.15 **M. Hieber:** *Dynamics of liquid crystal flows. Part I.*

15.20-15.55 **J. Prüss:** *Dynamics of liquid crystal flows. Part II: the full incompressible isotropic case.*

16.00-16.25 **C. Tacelli:** *Weighted Hardy's inequality.*

16.30-16.55 **Coffee break.**

16.55-17.30 **D. Guidetti:** *Parabolic problems with dynamic or Wentzell boundary conditions in spaces of Hölder continuous functions.*

17.35-18.10 **F. Bucci:** *The LQ problem and Riccati equations with unbounded operators: power and limitations of unifying abstract theories.*

Wednesday, July 8th

9.00-9.35 **S. Terracini:** *Liouville theorems and qualitative properties of solutions to competitive systems with several components.*

9.40-10.15 **N. Okazawa:** *Another approach to Legendre type operators with degeneracy at the boundary.*

10.20-10.45 **G. Cappa:** *On the Ornstein-Uhlenbeck operator in convex sets of Banach spaces.*

10.50-11.15 **Coffee break.**

11.15-11.50 **J. Le Rousseau:** *Null-controllability of the Kolmogorov equation in the whole phase-space.*

11.55-12.30 **L. Pandolfi:** *Control and identification problems for systems with persistent memory.*

12.35-13.00 **G. Floridia:** *Multiplicative controllability for nonlinear parabolic equations.*

13.05-14.40 **Lunch.**

14.40-15.15 **R. Triggiani:** *Global uniqueness and stability of an inverse problem for the Schrodinger equation on a Riemannian manifold via one boundary measurement.*

15.20-15.55 **M. Yamamoto:** *Carleman estimates and inverse problems for integro-hyperbolic equations: Kelvin-Voigt model and viscoelasticity.*

16.00-16.35 **J. Vancostenoble:** *Determination of the insolation function in the nonlinear Sellers climate model.*

16.40-17.05 **Coffee break.**

17.05-17.40 **L. Rondi:** *Approximation and computation for the inverse photolithography problem.*

17.45-18.10 **G. Mola:** *Reconstruction of two constant coefficients in linear anisotropic diffusion model.*

20.15 **Social dinner**.

Thursday, July 9th

9.15-9.50 **S. Nicaise:** *Stabilization and asymptotic behavior of the telegraph equation.*

9.55-10.30 **G. Metafune:** *Generation results and kernel estimates for a class of second order operators with discontinuous coefficients.*

10.35-11.10 **A. Lunardi:** *Surface measures in Banach spaces.*

11.15-11.40 **Coffee break.**

11.40-12.15 **D. Pallara:** *A Meyers-Serrin theorem on manifolds and L^1 regularity result for linear systems of PDEs.*

12.20-12.55 **E. Priola:** *On L^p-estimates for some possibly degenerate parabolic operators.*

13.00-14.40 **Lunch.**

14.40-15.15 **R. Schnaubelt:** *A structurally damped plate equation with Dirichlet-Neumann boundary conditions.*

15.20-15.55 **A.A. Albanese:** *On the sectoriality of a class of degenerate elliptic operators arising in population genetics.*

16.00-16.25 **C. Spina:** *Rellich and Calderón-Zygmund inequalities for operators with discontinuous coefficients.*

16.30-16.55 **Coffee break.**

16.55-17.30 **P. Loreti:** *Observability of square membranes.*

17.35-18.10 **D. Sforza:** *Observability and partial observability for viscoelastic systems.*

18.15-18.50 **E. Vitillaro:** *On the wave equation with hyperbolic dynamical boundary conditions, interior and boundary damping and sources.*

Friday, July 10th

9.15-9.50 **V. Barbu:** *Parabolic equations with singular diffusivity on real line.*

9.55-10.30 **E.M. Marchini:** *Approximation results for state constrained inclusion in infinite dimension.*

10.35-11.10 **M. Conti:** *On the time-dependent Cattaneo law.*

11.15-11.40 **Coffee break.**

11.40-12.15 **N. Krylov:** *To the theory of viscosity solutions for uniformly parabolic Isaacs equations.*

12.20-12.30 **Closing.**