

FUNCTIONAL ANALYTIC METHODS FOR PDEs

Cesena, 25-28 june 2019

PROGRAM

Tuesday, 25

9.15-9.30: Opening.

9.30 -10.05. Angelo FAVINI (Bologna): *Degenerate differential equations and Inverse Problems.*

10.05 - 10.40. Pierluigi COLLI (Pavia) : *Well-posedness, regularity, asymptotic analyses for a fractional phase field system.*

10.40 - 11.00 Coffee break.

11.00 - 11.35 Alexander SKUBACEVSKII (Moscow): *The Kato problem for some classes of nonlocal elliptic operators with mixed boundary conditions.*

11.35 - 12.10 Gisele RUIZ GOLDSTEIN (Memphis): *Instantaneous Blowup on H^N .*

12.10 - 12.45. Yuli EIDELMAN (Tel Aviv): *On some inverse and nonlocal problems for operator differential equations.*

Lunch

15.00 - 15.35. Giovanni GIRARDI (Bari): *Estimates for the strongly damped plate equation.*

15.35 - 16.10. Giuseppe Maria COCLITE (Bari): *Nonlinear Peridynamic Models.*

16.10 - 16.30. Coffee break.

16.30 - 17.05. Anna Maria CANDELA (Bari): *A quasi-linear elliptic problem: some existence and multiplicity results.*

17.05 - 17.40 Sandra CARILLO (Rome) : *Viscoelasticity problems: classical and non classical memory kernel problems.*

Wednesday 26

9.30-10.05. Mauro FABRIZIO (Bologna) : *A laminar-turbulence transition in viscous fluids by a phase field model.*

10.05-10.40. Gianluca MOLA (Milan): *On the identification of constant coefficients in a model of linear anisotropic diffusion.*

10.40 - 11.00. Coffee break.

11.00 -11.35. Genni FRAGNELLI (Bari): *Controllability for a cascade system.*

11.35 - 12.10. Maria Rosaria LANCIA (Rome): *Venttsel problems in irregular domains.*

12.10 - 12.45. Jerome A. GOLDSTEIN (Memphis): *The Black-Scholes stock option equation and the Cox-Ingersoll-Ross bond equation: Old and new results*

Lunch

15.00 -15.35. Luca LORENZI (Parma): *Generation results for systems of elliptic operators with unbounded coefficients.*

15.35-16.10. Roberto GUGLIELMI (L'Aquila) : *Indirect stabilization of a hyperbolic system with partial boundary coupling.*

16.10 -16.30. Coffee break

16.30 - 17.05. Claudio GIORGI (Brescia): *Buckling and nonlinear dynamics of elastically-coupled double-beam and cable-beam systems.*

17.05-17.40. Yakov YAKUBOV (Tel Aviv) : *A short review of our (mostly with A. Favini) results on elliptic differential-operator problems in Hilbert and UMD Banach spaces.*

THURSDAY, 27

9.30 - 10.05. Giovanni CUPINI (Bologna): *On the stability of the Gauss mean value formula.*

10.05 - 10.40 Rosa Maria MININNI (Bari): *An Analytical Approach to Evolution Equations in Incomplete Financial Markets.*

10.40 -11.00. Coffee break.

11.00 - 11.35. Luciano PANDOLFI (Torino): *Controllability properties for equations with memory of fractional type.*

11.35 - 12.10. Kazuaki TAIRA (Tsukuba): *A class of hypoelliptic Višik–Ventcel’ boundary value problems.*

12.10 - 12.45. Delio Mugnolo (Hagen): *Parabolic theory of bi-Laplacians on networks.*

Lunch + Excursion + Social dinner

FRIDAY, 28

9.30 - 10.05. Ermanno Lanconelli (Bologna): *A one-side Liouville Theorem for a Ornstein-Uhlenbeck operator.*

10.05-10.40. Paola VERNOLE (Rome): *Fractional diffusion on extension domains.*

10.40 - 11.00. Coffee break.

11.00 - 11.35. Silvia ROMANELLI (Bari): *On some classes of higher order differential operators and their associated semigroups.*

11.40 -12.15. Davide GUIDETTI (Bologna): *An application of Miyadera’s perturbation theorem to a mixed hyperbolic problem and extensions.*

12.15. Closure