

SECOND ADVANCED SCHOOL ON INTEGRAL EQUATIONS AND APPLICATIONS
LISBON, 18-20 MAY, 2017

ROOM P3.10 of the DEPARTMENT OF MATHEMATICS

18 May – THURSDAY	19 May – FRIDAY	20 May – SATURDAY
9:00 OPENING		
9:15-11:00 COURSE A (Fermo)	9:15-11:00 COURSE A (Fermo)	9:15-11:00 COURSE A (Fermo)
11:00-11:30 COFFE BREAK	11:00-11:30 COFFE BREAK	11:00-11:30 COFFE BREAK
11:30-12:30 COURSE B (Ferreira)	11:30-12:30 COURSE B (Ferreira)	11:30-11:55 (<i>Serafini</i>) 11:55-12:20 (<i>Carapau</i>) CONTRIBUTED TALKS
12:30-14:30 LUNCH	12:30-14:30 LUNCH	12:30-14:30 LUNCH
14:30-16:00 SEMINAR (Vasconcelos)	14:30-16:45	14:30-16:45
16:00-16:25 (<i>Trindade</i>) 16:25-16:50 (Fresdena-Portillo) CONTRIBUTED TALKS	COURSE C (Morgado, Rebelo)	COURSE C (Morgado, Rebelo)
16:50-17:15 COFFE BREAK	16:45-17:15 COFFE BREAK	16:45-17:15 COFFE BREAK
17:15-17:40 (Silva) CONTRIBUTED TALKS	17:15-18:00 SEMINAR (Barbeiro)	17:15-18:15 SEMINAR (Sousa)
17:40-18:25 SEMINAR (Almeida)	18:00-18:45 SEMINAR (Lima)	18:15-19:00 SEMINAR (Diogo)
18:45 RECEPTION	20:00 SOCIAL DINNER	

COURSE A

Integral equations: from basic tools to advanced methods by *Luisa Fermo* (Univ. of Cagliari, Italy)

COURSE B

Drug diffusion in viscoelastic media: analysis, numerics and applications by *José A. Ferreira* (Univ. of Coimbra)

COURSE C

Numerical Analysis of Fractional Differential Equations of Caputo type

by *Luísa Morgado* (Univ. of Trás-os-Montes e Alto Douro) and *Magda Rebelo* (Nova Univ. of Lisbon)

SEMINARS

- **Building test examples for projection methods in the solution of nonlinear integral equations**
by *Filomena Almeida* (Univ. of Porto)
- **Modeling electromagnetic wave's propagation in human eye's structure** by *Sílvia Barbeiro* (Univ. of Coimbra)
- **On some classes of Volterra integral equations** by *Teresa Diogo* (Instituto Superior Técnico – Univ. of Lisbon)
- **Numerical solution of an integro-differential equation modelling the neuronal activity**
by *Pedro Lima* (Instituto Superior Técnico – Univ. of Lisbon)
- **Fractional diffusion problems** by *Ercília Sousa* (Univ. of Coimbra)
- **Tau Toolbox: a numerical library for the solution of integro-differential problems**
by *Paulo Vasconcelos* (Univ. of Porto)

CONTRIBUTED TALKS

- **One-dimensional model for blood flow based on Cosserat Theory** by *Fernando Carapau* (Univ. of Évora)
- **A Quadrature-Difference Method to solve a System of coupled second order Fredholm Integro-Differential Equations with constant Coefficients**, by *Gilson Silva* (ISEG, Univ. of Lisbon)
- **Boundary Domain Integral Equations for a Mixed Elliptic BVP with variable coefficient in Bounded Domains**
by *Carlos-Fresdena Portillo* (Brookes University, UK)
- **Product Integration Rules on Plans Domains** by *Giada Serafini* (Univ. of Basilicata, Italy)
- **Stabilization of the spectral tau method for nonlinear integro-differential systems of equations**
by *Marcelo Trindade* (Univ. of Porto)