



6th Annual Workshop
on
Applications and Generalizations of Complex Analysis

Aveiro, Departamento de Matemática
15th of March 2003

Program

- 9:30 *Opening session*
- 9:45-10:25 **Walter Van Assche** - Katholieke Universiteit Leuven, Belgium
Para-orthogonal polynomials on the unit circle and frequency analysis
- 10:30-11:10 **Stephan Samko** – Universidade do Algarve, Portugal
Singular integral operators in the spaces with non-standard growth
- Coffee break
- 11:40-12:10 **Fernando Chamizo** – Universidad Autonoma de Madrid, Spain
Automorphic forms and Fourier series
- 12:15-12:45 **Sirkka-Liisa Eriksson-Bique** - University of Joensuu, Finland
Hyperbolic function theory
- 12:50-13:10 **Ana Isabel Goncalves Mendes** - Instituto Politécnico de Leiria, Portugal
Difference-differential equations and semiclassical orthogonal polynomials
- Lunch
- 14:30-15:00 **Vladimir Soucek** – Charles University Prague, Czech Republic
Analogues of the Dolbeault complex for several Clifford variables
- 15:05-15:35 **Frank Sommen** – Ghent University, Belgium
Some extensions of Clifford analysis
- 15:40-16:00 **David Eelbode** - Ghent University, Belgium
The Fundamental solution for the Dirac operator in space-time: a new approach
- 16:05-16:25 **Regina Almeida** – Universidade de Trás-os-Montes e Alto-Douro, Portugal
Properties of monogenic functions mapping the inner in the outer unit ball
- Coffee break
- 17:00-17:30 **Jarolim Bures** - Charles University Prague, Czech Republic
Analytic and geometric methods for description of solutions of Rarita-Schwinger type operators
- 17:35-18:05 **Alexei Karlovich** – I.S.T., Universidade Técnica de Lisboa, Portugal
Singular integral operators with flip and unbounded coefficients on rearrangement-invariant spaces
- 18:10-18:30 **Viktor Kravchenko, Rui Marreiros** – Universidade do Algarve, Portugal
On the kernel of some one-dimensional singular integral operators with shift
- 18:35-19:05 **Teresa Alzugaray** – Universidade do Algarve, Portugal
On sets of range uniqueness
- 19:10 *Closing session and dinner*

Sponsors: With the support from the UI&D “Centro de Matemática da Universidade de Coimbra” (CMUC) and "[Matemática e Aplicações](#)", University of Aveiro.