

## COMPLEX ANALYSIS AND OPERATOR THEORY

Vienna 18-19 September 2014

(Sky-Lounge, 12<sup>th</sup> Floor, Oskar-Morgenstern-Platz 1, 1090 Wien)

### Thursday, 18th of September

**9:30-10:10 A. Aleman** (University of Lund, Sweden)

*Residual subspaces and spectral synthesis for differentiation on  $C^\infty$*

**10:20-11:00 J.A. Pelaez** (University of Malaga, Spain)

*Two weight inequality for the Bergman projection*

### **11:00-11:30 Coffee Break**

**11:30-12:10 J. Rättyä** (University of Eastern Finland, Finland)

*Carleson embeddings for Bergman spaces via harmonic analysis*

**12:20-13:00 S. Pott**

*A simple proof of Volberg's Theorem and a characterisation of  $p$ -thin sequences in the disk*

### Friday, 19th of September

**9:30-10:10 J. Ortega-Cerda** (University of Barcelona, Spain)

*Orthonormal flat polynomials in the sphere*

**10:20-11:00 M. Reguera** (University of Birmingham, UK)

*Lower bounds for fractional Riesz transforms on general Cantor sets*

### **11:00-11:30 Coffee Break**

**11:30-12:10 M. J. Martin** (University of Eastern Finland, Finland)

*On the  $a_2$ -conjecture for univalent harmonic mappings*

**12:20-12:40 L. Gavruta** (University of Vienna, Austria)

*Embeddings of vector-valued Bergman spaces*

**12:50-13:30 Dragan Vukotic** (Autonomous University of Madrid, Spain)

*Weighted compositions preserving the functions with positive real part*