

Workshop on
“Several complex variables and CR geometry”

November 3 - November 13, 2015

organized by

**Siqi Fu (Rutgers U, Camden), Friedrich Haslinger (U Vienna), Bernard Lamel (U Vienna),
Emil Straube (Texas A & M U)**

Part two

November 9 - November 13, 2015

• **Monday, November 9, 2015**

9:30 – 10:00 *Registration*

10:00 – 11:00 **Takeo Ohsawa**
Backgrounds and updates of L^2 extension theorems

11:00 – 11:30 *coffee/tea break*

11:30 – 12:20 **Jeffery McNeal**
The Bergman projection on generalized Hartogs triangles

12:20 – 15:00 *lunch break*

15:00 – 15:50 **Loredana Lanzani**
Singular Integral techniques in Several complex variables

16:00 – 16:50 **Francine Meylan**
Higher order symmetries of real hypersurfaces in \mathbb{C}^3

• **Tuesday, November 10, 2015**

10:00 – 10:50 **Martin Kolar**
Automorphism groups of Levi degenerate hypersurfaces in \mathbb{C}^3

10:50 – 11:30 *coffee/tea break*

11:30 – 12:20 **Giuseppe Della Sala**
Stationary discs and singular Riemann-Hilbert problems

- **Wednesday, November 11, 2015**

10:00 – 10:50 **Mehmet Celik**

Analysis on the intersection of pseudoconvex domains

10:50 – 11:30 *coffee/tea break*

11:30 – 12:20 **Gian Maria Dall'Ara**

The weighted $\bar{\partial}$ -problem in \mathbb{C}^n : solvability, compactness, and pointwise bounds for the Bergman kernel

12:20 – 15:00 *lunch break*

15:00 – 15:50 **Emil Straube**

L^2 -Sobolev and compactness estimates for $\bar{\partial}_M$: a (very) brief survey

- **Thursday, November 12, 2015**

10:00 – 10:50 **Soledad Benguria**

An application of John ellipsoids to the Szegő kernel on unbounded convex domains

10:50 – 11:30 *coffee/tea break*

11:30 – 12:20 **Bo-Yong Chen**

Parameter dependence of the Bergman kernels: Hölder continuity

12:20 – 15:00 *lunch break*

15:00 – 15:50 **Ingo Lieb**

Formulae and estimates for the Cauchy-Riemann equations

- **Friday, November 13, 2015**

10:00 – 10:50 **Franz Berger**

The essential spectrum of the complex Laplacian on product manifolds

10:50 – 11:30 *coffee/tea break*

11:30 – 12:20 **Paulo Cordaro**

Semi-global solvability with loss of one derivative for linear partial differential operators in dimension 2

12:20 – 15:00 *lunch break*

15:00 – 15:50 **Włodzimierz Zwonek**

Multidimensional Suita conjecture

16:00 – 16:50 **Andrew Seth Raich**

Global L^q -Gevrey Function Spaces

All talks take place at the ESI, Boltzmann Lecture Hall!