

# **CECHA Workshop on Integral transforms, boundary values and generalized functions**

## ***Schedule***

***October 17<sup>th</sup> - October 21<sup>st</sup> 2014***

***Friday October 17<sup>th</sup> 2014***

***Chairperson:*** Irene Sabadini

10:50am-11:05am Registration/ Welcome

11:05am-11:55am Michael Shapiro, Instituto Politecnico Nacional, Mexico  
*Title: "On the Hilbert and Schwartz Formulas and Operators"*

11:55am-12:10pm Discussion Session

**12:20pm-1:30pm Lunch, Athenaeum**

2:00pm-2:50pm Mircea Martin, Baker University  
*Title: "Spin Operator Theory"*

2:50pm-3:10pm Discussion Session

3:10pm-4:00pm M. Elena Luna Elizarraras, Instituto Politecnico Nacional, Mexico  
*Title: "A Bicomplex Model of Lobachevsky Geometry"*

4:00pm-4:20pm Discussion Session

***Saturday October 18<sup>th</sup> 2014***

***Chairperson:*** Paula Cerejeiras

10:00am-10:50am Matvei Libine, Indiana University Bloomington  
*Title: "Geometric Properties of Conformal Transformations on  $R^{p,q}$ "*

10:50am-11:05am Discussion Session

11:05am-11:55am Ahmed Sebbar, Institut de Mathématiques de Bordeaux  
*Title: "Motions of Critical points of Green's functions"*

11:55pm-12:10pm Discussion Session

**12:20pm-1:30pm Lunch, Sandhu**

2:00pm-2:50pm Fabrizio Colombo, Politecnico di Milano, Italy

*Title: "The Fueter-Sce Mapping and its Inverse"*

2:50pm-3:10pm Discussion Session

3:10pm-4:00pm Adrian Vajiac, Chapman University

*Title: "Multicomplex Hyperfunctions"*

4:00pm-4:20pm Discussion Session

***Sunday October 19<sup>th</sup> 2014***

***Chairperson:*** Mihaela Vajiac

10:00am-10:50am Irene Sabadini, Politecnico di Milano, Italy

*Title: "Monogenic Hyperfunctions in One and Several Variables"*

10:50am-11:05am Discussion Session

11:05am-11:55am Uwe Kähler, University of Aveiro

*Title: "Crystallographic structures: how to make an effective reconstruction by the spherical X-ray transform?"*

11:55am-12:10pm Discussion Session

**12:20pm-1:30pm Lunch, Sandhu**

2:00pm-2:50pm Paula Cerejeiras, University of Aveiro

*Title: "Diffusive Wavelets for Nilpotent Groups"*

2:50pm-3:10pm Discussion Session

3:10pm-4:00pm Daniel Alpay, Ben-Gurion University of the Negev, Israel

*Title: "Spaces of stochastic (commutative and non commutative) distributions and applications"*

4:00pm-4:20pm Discussion Session

***Monday October 20<sup>th</sup> 2014***

***Chairperson:*** M. Elena Luna Elizarraras

10:00am-10:50am Craig Nolder, Florida State University

*Title: "TBA"*

10:50am-11:05am Discussion Session

11:05am-11:55am Lander Cnudde, Universiteit Gent, Belgium

*Title: "Slice Fourier transform: definition, properties and corresponding convolutions"*

11:55am-12:10am Discussion Session

**12:20pm-1:30pm Lunch, Athenaeum**

2:00pm-2:50pm Graziano Gentili, Università di Firenze

*Title: "TBA"*

2:50pm-3:10pm Discussion Session

3:10pm-4:00pm Dana Clahane, Fullerton College

*Title: "TBA"*

4:00pm-4:20pm Discussion Session

**Social Dinner**

**6:30-8:30pm**

***Tuesday October 21<sup>st</sup> 2014***

10:00am-12:10pm

Discussion Session

**12:20pm-1:30pm Lunch, Athenaeum**

2:00pm-4:00pm Discussion Session