

## Kraków ISAAC Congress 2013: Session 17 on Pseudo-Differential Operators

Organizers: Joachim Toft (Sweden), Luigi Rodino (Italy) and M. W. Wong (Canada)

	August 5	August 6	August 7 (Excursions, No Talks)	August 8 (Session 8 and Session 17)	August 9
12:10 – 12:35		Catană			Fischer
12:40 – 13:10		Tokmagambetov			Boiti
14:30 – 14:55	Agranovich	Ivec		Wong	Dali
15:00 – 15:25	Selitskii	Duan		Toft	Galleani
15:30 – 16:00	<b>Coffee/Tea</b>	<b>Coffee/Tea</b>		<b>Coffee/Tea</b>	<b>Coffee/Tea</b>
16:00 – 16:25	Yoshino	Tranquilli		Rodino	Turunen
16:30 – 16:55	Li	Iwasaki			Zhu
17:00 – 17:25	Riba	Garello			
17:30 – 17:55	Delgado	Wahlberg			
18:00 – 18:25	Dychenko	Rabinovich			
18:30 – 19:00	Goffeng	Moura Santos			

### Speakers and Titles for Session 17 Only

Mikhail Agranovich (Russia) Elementary Approach to Fractional Powers of Strongly Elliptic Operator in Lipschitz Domains

Chiara Boiti (Italy) The Overdetermined Cauchy Problem in Small Gevrey Classes

Viorel Catană (Romania) Sobolev Estimates and Spectra for Generalized SG-Hypoelliptic Pseudo-Differential Operators on  $L^p(\mathbb{R}^n)$

Ahmed Dali (Algeria) Multi-Quasiellipticity and Gevrey Regularity of Hypoelliptic Differential Operator

Julio Delgado (UK) Schatten Classes and  $r$ -Nuclearity on Compact Lie Groups

Xiaoxi Duan (Canada) Spectral Theory of the Hermite Operator on  $L^p(\mathbb{R}^n)$

Evgeniya Dyachenko (Germany) On Ellipticity of Pseudo-Differential Equations with Small Parameter

Veronique Fischer (UK) Pseudo-Differential Operators on Lie Groups

Lorenzo Galleani (Italy) Computing the Time-Frequency Solution of a Differential Equation with the Generalized Input/Output Method

Gianluca Garello (Italy)  $L^p$  Microlocal Properties for Vector Weighted Pseudo-Differential Operators with Smooth Symbols

Magnus Goffeng (Germany) Refining Schatten Class Properties of Hankel Operators

Ivan Ivec (Croatia) Boundedness of Pseudo-Differential Operators on Lebesgue Spaces with Mixed Norm

Chisato Iwasaki (Japan) Construction of the fundamental solution for a Grushin type operator and its applications

Jiawei Li (Canada) Localization Operators for Ridgelet Transforms

Ana Moura Santos (Portugal) Toeplitz Operators and Boundary Value Problems of Wave Diffraction by Gratings

Vladimir Rabinovich (Mexico) Diffraction by Periodic Graphs

Luigi Riba (Italy) Multi-Dimensional Stockwell Transforms with Applications to Instantaneous Frequencies of Multi-Dimensional Signals

Luigi Rodino (Italy) Ancestors and Birth of Pseudo-Differential Operators

Anton Selitskii (Russia) The Space of Initial Data for Parabolic Differential-Difference Operators

Joachim Toft (Sweden) Modulation Spaces, Harmonic Analysis and Pseudo-Differential Operators

Niyaz Tokmagambetov (Kazakhstan) Generalized Fourier Transform and Pseudo-Differential Operators

Giorgia Tranquilli (Italy) Hypoellipticity and Solvability for Classes of Second Order Shubin Operators with Nonhypoelliptic Symbols

Ville Turunen (Finland) Properties and computation of Born – Jordan Related Time – Frequency Distributions

Patrik Wahlberg (Italy) The Equality of the Homogeneous and the Gabor Wavefront Set

M. W. Wong (Canada) Pseudo-Differential Operators for Weyl Transforms

Kunio Yoshino (Japan) Spectral Analysis of Daubechies Operators

Hongmei Zhu (Canada) Frame-Based Efficient Computational Schemes for Discrete Time-Frequency Analysis