

Session 13: Pseudo-Differential Operators

Organizer: M. W. Wong (York University, Canada)

13<sup>th</sup> ISAAC Congress

Ghent University, Belgium

August 2-6, 2021

August 3, 2021, 08:00 - 08:30	Joachim Toft
August 3, 2021, 08:30 - 09:00	Ivan Ivec
August 3, 2021, 09:00 - 09:30	Djordje Vuckovic
August 3, 2021, 09:30 - 10:00	Ahmed Abdeljawa
August 3, 2021, 10:00 - 10:30	Coffee Break
August 3, 2021, 10:30 - 11:00	Patrik Wahlberg
August 3, 2021, 11:00 - 11:30	Ivana Vojnovic

August 5, 2021, 15:00 - 15:30	Vishvesh Kumar
August 5, 2021, 15:30 - 16:00	Viorel Catana
August 5, 2021, 16:00 - 16:30	Manish Kumar
August 5, 2021, 16:30 - 17:00	Coffee Break
August 5, 2021, 17:00 - 17:30	Luigi Rodino
August 5, 2021, 17:30 - 18:00	Leon Cohen
August 5, 2021, 18:00 - 18:30	Jonathan Ben-Benjamin
August 5, 2021, 18:30 - 19:00	Guochen Lu

Joint Session with Sessions 7 and 8

August 4, 2021, 10:30 - 11:00	Alessandro Morando
August 4, 2021, 11:00 - 11:30	Gianluca Garello

1. Ahmed Abdeljawa (Radon Institute for Computational and Applied Mathematics, Austria) Pseudo-Differential Calculus in Anisotropic Gelfand-Shilov Setting
2. Jonathan Ben-Benjamin (Los Alamos National Lab, USA) Weyl Operator by Direct Substitution
3. Viorel Catana (University Politehnica of Bucharest) Localization Operators for the Windowed Linear Canonical Transform
4. Leon Cohen (City University of New York, USA) Time Dependent Weyl Transform
5. Gianluca Garello (Università di Torino, Italy) Microlocal Propagation of Singularities for Semilinear Partial Differential Equations in Weighted Fourier Lebesgue Spaces
6. Ivan Ivec (University of Zagreb, Croatia) Basic Calculus of Pseudo-Differential Operators with Nonsmooth Symbols
7. Manish Kumar (BITS Pilani, India) Pseudo-Differential Operators and Localization Operators on Gelfand-Shilov Space Associated with Linear Canonical Transform

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- 8. Vishesh Kumar (Ghent University, Belgium)  $L_p$ - $L_q$  Boundedness of Pseudo-Differential Operators on Smooth Manifolds**
- 9. Guochen Lu (University of Connecticut, USA) Boundedness of Trilinear Pseudo-Differential Operators with Flag Type Symbols on Local Hardy Spaces**
- 10. Alessandro Morando (Università di Brescia, Italy) Microlocal Regularity of Nonlinear PDE in Quasi-Homogeneous Fourier-Lebesgue Spaces**
- 11. Luigi Rodino (Università di Torino, Italy) Wigner Analysis of Operators**
- 12. Joachim Toft (Linnæus University, Sweden) Analytic Pseudo-Differential Calculus via the Bargmann Transform**
- 13. Ivana Vojnovic (University of Novi Sad, Serbia)  $H$ -Distributions on Hörmander Spaces**
- 14. Djordje Vuckovic (Serbian Academy of Sciences and Arts, Serbia) Extension of Pseudo-Differential Operators through Anti-Wick Calculus with Super-Exponential Kernels**
- 15. Patrik Wahlberg (Politecnico di Torino, Italy) The Bargmann Transform for Shubin Pseudo-Differential Operators**