Session Program

16–20 Jun 2025

ACOTCA 2025 : XIX Advanced Course in Operator Theory and Complex Analysis

Contributed Talks

Clermont-Ferrand
Université Clermont Auvergne Laboratoire de Mathématiques Blaise Pascal 3, Place Vasarely 63178 AUBIERE

Monday 16 June

16:30

Contributed Talks: Session 1
Session | **Location:** Pôle Physique, 9109

16:30–16:55

Commuting holomorphic self-maps of the unit disk and pseudo-iterates

Speaker
Pavel Gumenyuk

17:00–17:25

Sampling in (quasi) shift-invariant spaces generated by ratios of exponential polynomials

Speaker
Ilia Zlotnikov

17:30–17:55 **On the Shapes of Rational Lemniscates**

Speaker
Kirill Lazebnik

18:00

16:30

Contributed Talks: Session 2
Session | **Location:** Pôle physique, 9110

16:30–16:55 **Dynamics of shift operators**

Speaker
Quentin Menet

17:00–17:25 **Size of Parameter Set and The Set of Disjoint Hypercyclic Vectors**

Speaker
Sibel Sahin

17:30–17:55 **Mixing and Kitai's Criterion for Composition Operator**

Speaker
Daniel Gomes

18:00

16:30

Contributed Talks: Session 3
Session | **Location:** Pôle physique, 9111

16:30–16:55 **Sampling and Interpolation in Small Fock Spaces**

Speaker
Mikhail Mironov

17:00–17:25 **Determinantal point processes and generalized Fock spaces**

Speaker
Giuseppe Lamberti

17:30–17:55 **Cyclicity in Poletsky-Stessin Weighted Bergman Spaces**

18:00

Speaker
Pouriya Torkinejad Ziarati

Tuesday 17 June

16:30

Contributed Talks: Session 4
Session | **Location:** Pôle physique, 9109

16:30–16:55 **Algebra and PDE**

Speaker
Dmitry Khavinson

17:00–17:25

Generalized Rosette Harmonic Mappings and their lifts to Minimal Surfaces

Speaker
Jane McDougall

17:30–17:55

The Property of Unique Continuation in Certain Spaces Spanned by Rational Functions on Compact Nowhere Dense Sets

Speaker
James Brennan

18:00

16:30

Contributed Talks: Session 5
Session | **Location:** Pôle physique, 9110

16:30–16:55 **Weighted shifts on directed graphs**

Speaker
Dimitris Papathanasiou

17:00–17:25 **Incomplete polynomial approximation and frequent universality**

Speaker
Konstantinos Maronikolakis

17:30–17:55

Typical properties of positive contractions and the invariant subspace problem

Speaker
Valentin Gillet

18:00

16:30

Contributed Talks: Session 6
Session | **Location:** Pôle physique, 9111

16:30–16:55 **A property about seminorms and distances on Fréchet space**

Speaker
Lucas Oger

17:00–17:25 **Concentration in the Fourier Symmetric Sobolev space**

Speaker
Denis Zelent

17:30–17:55 **Reducing subspaces of operators with compact imaginary part**

18:00

Speaker
Norberto Clemente Delgado

Thursday 19 June

16:40

Contributed Talks: Session 7
Session | **Location:** Pôle physique, 9109

16:40–17:05 **Some Gaussianity criteria for Khinchin families**

Speaker
Víctor Maciá Medina

17:10–17:35

Hyperrigidity as a form of 'noncommutative' approximation that captures many important operator-algebraic phenomena

Speaker
Paweł Pietrzycki

17:40

16:40

Contributed Talks: Session 8
Session | **Location:** Pôle physique, 9110

16:40–17:05 **Critical sets of Hardy spaces and some related problems**

Speaker
Carlo Bellavita

17:10–17:35

H(b) spaces that are $\mathcal{D}_\mu$ spaces with infinitely many atoms

Speaker
Eugenio Dellepiane

17:40

16:40

Contributed Talks: Session 9
Session | **Location:** Pôle physique, 9111

16:40–17:05 **On the spectrum of Lipschitz operators**

Speaker
Arafat Abbar

17:10–17:35 **Numerical ranges of antilinear operators**

Speaker
Damian Kołaczek

17:40

Friday 20 June

09:45

Contributed Talks: Session 10
Session | **Location:** Pôle physique, 9109

09:50–10:15 **The Szász inequalities for matrix polynomials**

Speaker
Piotr Pikul

10:20–10:45
Generalized spaces of constant curvature in almost contact metric geometry

Speaker
José Airán Santana Rivero

10:45

09:45

Contributed Talks: Session 11
Session | **Location:** Pôle physique, 9110

09:50–10:15 **Hypercyclicity of Toeplitz operators**

Speaker
Maëva Ostermann

10:20–10:45
Recent progress on hypercyclic holomorphic mappings with slow growth

Speaker
Zhangchi Chen

10:45

11:15

Contributed Talks: Session 12
Session | **Location:** Pôle physique, 9109

11:15–11:40 **Polynomial-Based Approximation of the Koopman Operator**

Speaker
Rishikesh Yadav

11:40–12:05
Forward iteration preserves indestructible and maximal Blaschke products

Speaker
Annika Moucha

12:45

11:15

Contributed Talks: Session 13
Session | **Location:** Pôle physique, 9110

11:15–11:40 **Composition operators on the polydisc**

Speaker
Anne DORVAL

11:45–12:10 **Composition Operators and Rational Inner Functions on the bidisc**

Speaker
Athanasios Beslikas

12:45