

IWOTA 2016 talk titles in chronological order

Stephan Garcia—Pomona College

Three Remarks on Similarity

Talk time: 2016-07-18 09:00— 2016-07-18 09:30. Talk location: Brown Hall 100.

Session: Plenary Talk

Sandra Pott—Lund University

Matrix weights: On the way to the linear bound

Talk time: 2016-07-18 09:40— 2016-07-18 10:30. Talk location: Brown Hall 100.

Session: Plenary Talk

Isabelle Chalendar—University Lyon 1

Semiflow of analytic functions and semigroups of composition operators

Talk time: 2016-07-18 11:00— 2016-07-18 11:30. Talk location: Brown Hall 100.

Session: Plenary Talk

Malabika Pramanik—University of British Columbia, Vancouver

Configurations in sets big and small

Talk time: 2016-07-18 11:40— 2016-07-18 12:30. Talk location: Brown Hall 100.

Session: Plenary Talk

Wolfgang Arendt—Ulm University Germany

Weyl's Formula and Kernel Operators

Talk time: 2016-07-18 14:30— 2016-07-18 15:20. Talk location: Cupples I Room 115.

Session: Operator theory, singular integral equations, and PDEs. Organized by R. Duduchava, E. Shargorodsky, and J. Lang

Peter Casazza—University of Missouri

The distance between frames and between subspaces of a Hilbert space

Talk time: 2016-07-18 14:30— 2016-07-18 14:50. Talk location: Crow 204.

Session: Applied harmonic analysis, frame theory, and operator theory. Organized by G. Kutyniok.

Michael Dritschel—Newcastle University

Factorization of non-negative operator valued trigonometric polynomials in two variables

Talk time: 2016-07-18 14:30— 2016-07-18 14:50. Talk location: Crow 206.

Session: Multivariable operator theory. Organized by H. Woerdeman.

Marinus Kaashoek—Vrije Universiteit Amsterdam

The Ellis-Gohberg inverse problem for matrix-valued Wiener functions on the line

Talk time: 2016-07-18 14:30— 2016-07-18 14:50. Talk location: Cupples I Room 113.

Session: State space methods in operator and function theory. Organized by J. Ball and S. ter Horst.

Arundhathi Krishnan—Indian Institute of Technology Madras

Pseudospectra of elements of reduced Banach algebras

Talk time: 2016-07-18 14:30— 2016-07-18 14:50. Talk location: Cupples I Room 218.

Session: Contributed talk

Santeri Miihkinen—University of Helsinki

Strict singularity of a Volterra-type integral operator on H^p

Talk time: 2016-07-18 14:30— 2016-07-18 14:50. Talk location: Cupples I Room 207.

Session: Contributed talk

Nikolai Vasilevski—CINVESTAV, Mexico City

Algebras of Toeplitz operators on the unit ball

Talk time: 2016-07-18 14:30— 2016-07-18 14:50. Talk location: Cupples I Room 215.

Session: Toeplitz operators and related topics. Organized by S. Grudsky and N. Vasilevski.

Bernhard Bodmann—University of Houston

Optimality beyond the Welch bound: orthoplectic Grassmannian frames as weighted complex projective 2-designs

Talk time: 2016-07-18 15:00— 2016-07-18 15:20. Talk location: Crow 204.

Session: Applied harmonic analysis, frame theory, and operator theory. Organized by G. Kutyniok.

David Brown—Newcastle University

A criterion for the solvability of a μ -synthesis problem

Talk time: 2016-07-18 15:00— 2016-07-18 15:20. Talk location: Cupples I Room 207.

Session: Contributed talk

Art Frazho—Purdue University

A band formula for a Toeplitz commutant lifting problem

Talk time: 2016-07-18 15:00— 2016-07-18 15:20. Talk location: Cupples I Room 113.

Session: State space methods in operator and function theory. Organized by J. Ball and S. ter Horst.

Michael Jury—University of Florida

Extremal multipliers of the Drury-Arveson space

Talk time: 2016-07-18 15:00— 2016-07-18 15:20. Talk location: Crow 206.

Session: Multivariable operator theory. Organized by H. Woerdeman.

Ilya Spitkovsky—New York University Abu Dhabi/College of William and Mary

Almost periodic factorization in the twenty first century

Talk time: 2016-07-18 15:00— 2016-07-18 15:20. Talk location: Cupples I Room 215.

Session: Toeplitz operators and related topics. Organized by S. Grudsky and N. Vasilevski.

Selvarajan Veeramani—Indian Institute of Technology, Hyderabad, India

Level sets of condition spectrum

Talk time: 2016-07-18 15:00— 2016-07-18 15:20. Talk location: Cupples I Room 218.
Session: Contributed talk

Roman Bessonov—St. Petersburg State University
Muckenhoupt Hamiltonians, triangular factorization, and Krein orthogonal entire functions

Talk time: 2016-07-18 15:30— 2016-07-18 15:50. Talk location: Cupples I Room 115.
Session: Operator theory, singular integral equations, and PDEs. Organized by R. Duduchava, E. Shargorodsky, and J. Lang

Piotr Dymek—University of Agriculture in Krakow
Analytic structure of weighted shifts on directed trees

Talk time: 2016-07-18 15:30— 2016-07-18 15:50. Talk location: Cupples I Room 207.
Session: Contributed talk

Quanlei Fang—Bronx Community College
Multiplier characterization for the Drury-Arveson space

Talk time: 2016-07-18 15:30— 2016-07-18 15:50. Talk location: Cupples I Room 113.
Session: State space methods in operator and function theory. Organized by J. Ball and S. ter Horst.

Matthew Fickus—Air Force Institute of Technology
Polyphase equiangular tight frames

Talk time: 2016-07-18 15:30— 2016-07-18 15:50. Talk location: Crow 204.
Session: Applied harmonic analysis, frame theory, and operator theory. Organized by G. Kutyniok.

Michael Hartz—University of Waterloo
von Neumann's inequality for commuting weighted shifts

Talk time: 2016-07-18 15:30— 2016-07-18 15:50. Talk location: Crow 206.
Session: Multivariable operator theory. Organized by H. Woerdeman.

Trieu Le—University of Toledo
Commutants of Toeplitz operators with separately radial polynomial symbols on the Fock space

Talk time: 2016-07-18 15:30— 2016-07-18 15:50. Talk location: Cupples I Room 215.
Session: Toeplitz operators and related topics. Organized by S. Grudsky and N. Vasilevski.

Geethika Sebastian—Indian Institute of Technology Hyderabad
On the open ball centered at an invertible element of a Banach algebra.

Talk time: 2016-07-18 15:30— 2016-07-18 15:50. Talk location: Cupples I Room 218.
Session: Contributed talk

Daniel Freeman—St Louis University
The Discretization Problem for continuous frames.

Talk time: 2016-07-18 16:00— 2016-07-18 16:20. Talk location: Crow 204.

Session: Applied harmonic analysis, frame theory, and operator theory. Organized by G. Kutyniok.

Ersin Kizgut—Middle East Technical University

Isomorphisms of Cartesian products and smallness up to a complemented Banach subspace property

Talk time: 2016-07-18 16:00— 2016-07-18 16:20. Talk location: Cupples I Room 218.

Session: Contributed talk

Galina Levitina—University of New South Wales

Witten Index and spectral shift function

Talk time: 2016-07-18 16:00— 2016-07-18 16:20. Talk location: Cupples I Room 115.

Session: Operator theory, singular integral equations, and PDEs. Organized by R. Duduchava, E. Shargorodsky, and J. Lang

Maribel Loaiza—Cinvestav

On Toeplitz operators on poly-Bergman spaces

Talk time: 2016-07-18 16:00— 2016-07-18 16:20. Talk location: Cupples I Room 215.

Session: Toeplitz operators and related topics. Organized by S. Grudsky and N. Vasilevski.

Ariel Pinhas—Ben-Gurion University

Real Parts of Pair of Nonselfadjoint Commuting Operators Associated to an Algebraic Curve with Application to System Theory

Talk time: 2016-07-18 16:00— 2016-07-18 16:20. Talk location: Cupples I Room 113.

Session: State space methods in operator and function theory. Organized by J. Ball and S. ter Horst.

Edward Timko—Indiana University Bloomington

On polynomial n -tuples of commuting isometries

Talk time: 2016-07-18 16:00— 2016-07-18 16:20. Talk location: Cupples I Room 207.

Session: Contributed talk

Victor Vinnikov—Ben Gurion University of the Negev

Finite dimensional contractive realizations of rational Schur–Agler functions

Talk time: 2016-07-18 16:00— 2016-07-18 16:20. Talk location: Crow 206.

Session: Multivariable operator theory. Organized by H. Woerdeman.

Afrah Abdou—king Abdulaziz University

Common fixed point results for multi-valued mappings with some examples

Talk time: 2016-07-18 17:00— 2016-07-18 17:20. Talk location: Cupples I Room 218.

Session: Contributed talk

Christopher Heil—Georgia Tech

Duals of Gabor systems and weighted exponentials at the critical density

Talk time: 2016-07-18 17:00— 2016-07-18 17:20. Talk location: Crow 204.

Session: Applied harmonic analysis, frame theory, and operator theory. Organized by G. Kutyniok.

Dmitry Kaliuzhnyi-Verbovetskyi—Drexel University

Rational inner functions on a square-matrix polyball

Talk time: 2016-07-18 17:00— 2016-07-18 17:20. Talk location: Crow 206.

Session: Multivariable operator theory. Organized by H. Woerdeman.

Sanne ter Horst—North West University

Recent developments on equivalence after extension and Schur coupling

Talk time: 2016-07-18 17:00— 2016-07-18 17:20. Talk location: Cupples I Room 113.

Session: State space methods in operator and function theory. Organized by J. Ball and S. ter Horst.

Jakob Lemvig—Technical University of Denmark

Counterexamples to the B-spline conjecture for Gabor frames

Talk time: 2016-07-18 17:30— 2016-07-18 17:50. Talk location: Crow 204.

Session: Applied harmonic analysis, frame theory, and operator theory. Organized by G. Kutyniok.

Benjamin Russo—University of Florida

Sub-Jordan Operator Tuples

Talk time: 2016-07-18 17:30— 2016-07-18 17:50. Talk location: Crow 206.

Session: Multivariable operator theory. Organized by H. Woerdeman.

Felix Schwenninger—University of Hamburg

Infinite-dimensional input-to-state stability

Talk time: 2016-07-18 17:30— 2016-07-18 17:50. Talk location: Cupples I Room 113.

Session: State space methods in operator and function theory. Organized by J. Ball and S. ter Horst.

scott mccullough—university of florida

Bianalytic mappings between free LMI domains

Talk time: 2016-07-18 18:00— 2016-07-18 18:20. Talk location: Crow 206.

Session: Multivariable operator theory. Organized by H. Woerdeman.

Friedrich Philipp—Universidad de Buenos Aires

Bessel sequences from iterated operator actions

Talk time: 2016-07-18 18:00— 2016-07-18 18:20. Talk location: Crow 204.

Session: Applied harmonic analysis, frame theory, and operator theory. Organized by G. Kutyniok.

Derk Pik—University of Amsterdam

Generalized Solutions of Riccati Equalities and Inequalities

Talk time: 2016-07-18 18:00— 2016-07-18 18:20. Talk location: Cupples I Room 113.

Session: State space methods in operator and function theory. Organized by J. Ball and S. ter Horst.

Meric Augat—University of Florida

Free polynomial Biholomorphisms between free spectrahedra
Talk time: 2016-07-18 18:30— 2016-07-18 18:50. Talk location: Crow 206.
Session: Multivariable operator theory. Organized by H. Woerdeman.

Maria Carmen Reguera—University of Birmingham
A B_∞ theory for the Bergman projection
Talk time: 2016-07-19 09:00— 2016-07-19 09:30. Talk location: Brown Hall 100.
Session: Plenary Talk

Gitta Kutyniok—Technical University of Berlin
Applied Harmonic Analysis meets Sparse Regularization of Operator Equations
Talk time: 2016-07-19 09:40— 2016-07-19 10:30. Talk location: Brown Hall 100.
Session: Plenary Talk

Jaydeb Sarkar—Indian Statistical Institute
Factorizations of Kernels and Reproducing Kernel Hilbert Spaces
Talk time: 2016-07-19 11:00— 2016-07-19 11:30. Talk location: Brown Hall 100.
Session: Plenary Talk

Hugo Woerdeman—Drexel University
Rational Schur-Agler functions on polynomially-defined domains
Talk time: 2016-07-19 11:40— 2016-07-19 12:30. Talk location: Brown Hall 100.
Session: Plenary Talk

Marcin Bownik—University of Oregon
Improved bounds in Weaver and Feichtinger conjectures
Talk time: 2016-07-19 14:30— 2016-07-19 14:50. Talk location: Crow 204.
Session: Applied harmonic analysis, frame theory, and operator theory. Organized by G. Kutyniok.

Lawrence Fialkow—SUNY New Paltz
The core variety of a multisequence in the truncated moment problem
Talk time: 2016-07-19 14:30— 2016-07-19 14:50. Talk location: Crow 206.
Session: Multivariable operator theory. Organized by H. Woerdeman.

J. William Helton—UCSD
Changing noncommuting variables with free analytic functions
Talk time: 2016-07-19 14:30— 2016-07-19 14:50. Talk location: Cupples I Room 113.
Session: State space methods in operator and function theory. Organized by J. Ball and S. ter Horst.

Raul Quiroga-Barranco—Cimat
Commuting Toeplitz operators and representation theory
Talk time: 2016-07-19 14:30— 2016-07-19 14:50. Talk location: Cupples I Room 215.
Session: Toeplitz operators and related topics. Organized by S. Grudsky and N. Vasilevski.

Derek Thompson—Taylor University

Complex Symmetric Composition Operators on H^2

Talk time: 2016-07-19 14:30— 2016-07-19 14:50. Talk location: Cupples I Room 207.

Session: Contributed talk

Bertin Zinsou—University of the Witwatersrand

Fourth order Birkhoff regular problems with eigenvalue parameter dependent boundary conditions

Talk time: 2016-07-19 14:30— 2016-07-19 14:50. Talk location: Cupples I Room 218.

Session: Contributed talk

Akram Aldroubi—Vanderbilt

Dynamical Sampling and Systems of Iterative Action of Operators

Talk time: 2016-07-19 15:00— 2016-07-19 15:20. Talk location: Crow 204.

Session: Applied harmonic analysis, frame theory, and operator theory. Organized by G. Kutyniok.

Raul Curto—University of Iowa, USA

A New Necessary Condition for the Hyponormality of Toeplitz Operators on the Bergman Space

Talk time: 2016-07-19 15:00— 2016-07-19 15:20. Talk location: Crow 206.

Session: Multivariable operator theory. Organized by H. Woerdeman.

Matthew Dawson—CIMAT

Radial Toeplitz operators on the weighted Bergman spaces of the Cartan domain $SU(n, n)/S(U(n) \times U(n))$

Talk time: 2016-07-19 15:00— 2016-07-19 15:20. Talk location: Cupples I Room 215.

Session: Toeplitz operators and related topics. Organized by S. Grudsky and N. Vasilevski.

Khairia El-Nadi—Professor of Mathematics Faculty of Science Alexandria University

On some fractional nonlocal integrated semi groups

Talk time: 2016-07-19 15:00— 2016-07-19 15:20. Talk location: Cupples I Room 218.

Session: Contributed talk

Igor Klep—The University of Auckland, New Zealand

The tracial Hahn-Banach theorem and matrix convex sets

Talk time: 2016-07-19 15:00— 2016-07-19 15:20. Talk location: Cupples I Room 113.

Session: State space methods in operator and function theory. Organized by J. Ball and S. ter Horst.

Wenjing Liu—University of New Hampshire

An extension of the Beurling-Chen-Hadwin-Shen theorem for noncommutative Hardyspaces associated with finite von Neumann algebras

Talk time: 2016-07-19 15:00— 2016-07-19 15:20. Talk location: Cupples I Room 207.

Session: Contributed talk

Vladimir Bolotnikov—The College of William and Mary
Beurling-Lax type theorems in weighted Bergman-Fock spaces
Talk time: 2016-07-19 15:30— 2016-07-19 15:50. Talk location: Crow 206.
Session: Multivariable operator theory. Organized by H. Woerdeman.

Mahmoud El-Borai—Professor of Mathematics Faculty of Science Alexandria
University
**On some stochastic singular integro-partial differential equations and the parabolic
transform**
Talk time: 2016-07-19 15:30— 2016-07-19 15:50. Talk location: Cupples I Room 218.
Session: Contributed talk

Sergei Grudsky—CINVESTAV del IPN, Mexico
**Uniform individual asymptotics for the eigenvalues and eigenvectors of large Toeplitz
matrices**
Talk time: 2016-07-19 15:30— 2016-07-19 15:50. Talk location: Cupples I Room 215.
Session: Toeplitz operators and related topics. Organized by S. Grudsky and N. Vasilevski.

Dustin Mixon—Air Force Institute of Technology
The Voronoi Means Conjecture
Talk time: 2016-07-19 15:30— 2016-07-19 15:50. Talk location: Crow 204.
Session: Applied harmonic analysis, frame theory, and operator theory. Organized by G. Kutyniok.

Katie Quermous—James Madison University
**Composition C^* -algebras Induced by Linear-fractional Non-automorphism Self-maps
of the Unit Disk**
Talk time: 2016-07-19 15:30— 2016-07-19 15:50. Talk location: Cupples I Room 207.
Session: Contributed talk

Jurij Volcic—The University of Auckland
Free loci of matrix pencils and domains of noncommutative rational functions
Talk time: 2016-07-19 15:30— 2016-07-19 15:50. Talk location: Cupples I Room 113.
Session: State space methods in operator and function theory. Organized by J. Ball and S. ter
Horst.

Caixing Gu—California Polytechnic State University
Toral m -isometric tuples of commuting operators on a Hilbert space
Talk time: 2016-07-19 16:00— 2016-07-19 16:20. Talk location: Cupples I Room 207.
Session: Contributed talk

David Kimsey—Newcastle University
**The Spectral Theorem for d -tuples of strongly commuting unbounded normal
operators on a quaternionic Hilbert space**
Talk time: 2016-07-19 16:00— 2016-07-19 16:20. Talk location: Crow 206.

Session: Multivariable operator theory. Organized by H. Woerdeman.

Gregory Marx—Virginia Tech

Completely positive kernels: the noncommutative correspondence setting

Talk time: 2016-07-19 16:00— 2016-07-19 16:20. Talk location: Cupples I Room 113.

Session: State space methods in operator and function theory. Organized by J. Ball and S. ter Horst.

Sergii Torba—CINVESTAV del IPN, Mexico

Representation of solutions to one-dimensional Schrödinger and perturbed Bessel equations in terms of Neumann series of Bessel functions

Talk time: 2016-07-19 16:00— 2016-07-19 16:20. Talk location: Cupples I Room 218.

Session: Contributed talk

Ozgur Yilmaz—The University of British Columbia

Off the grid low-rank matrix recovery

Talk time: 2016-07-19 16:00— 2016-07-19 16:20. Talk location: Crow 204.

Session: Applied harmonic analysis, frame theory, and operator theory. Organized by G. Kutyniok.

Santanu Dey—Indian Institute of Technology Bombay

\mathfrak{K} -families and CPD-H-extendable families

Talk time: 2016-07-19 17:00— 2016-07-19 17:20. Talk location: Cupples I Room 113.

Session: State space methods in operator and function theory. Organized by J. Ball and S. ter Horst.

Martin Ehler—University of Vienna

Kernel-based function approximation on Grassmannians

Talk time: 2016-07-19 17:00— 2016-07-19 17:20. Talk location: Crow 204.

Session: Applied harmonic analysis, frame theory, and operator theory. Organized by G. Kutyniok.

Anatolii Grinshpan—Drexel University

Nested Subclasses of the Schur Class

Talk time: 2016-07-19 17:00— 2016-07-19 17:20. Talk location: Crow 206.

Session: Multivariable operator theory. Organized by H. Woerdeman.

Lukasz Kosiński—Jagiellonian University

Nevanlinna-Pick interpolation problem in the ball

Talk time: 2016-07-19 17:00— 2016-07-19 17:20. Talk location: Cupples I Room 207.

Session: Contributed talk

Petr Siegl—University of Bern

Approximations of spectra of Schrödinger operators with complex potentials on \mathbb{R}^d

Talk time: 2016-07-19 17:00— 2016-07-19 17:20. Talk location: Cupples I Room 218.

Session: Contributed talk

Tirthankar Bhattacharyya—Indian Institute of Science
Holomorphic functions on the symmetrized bidisk - realization, interpolation and extension

Talk time: 2016-07-19 17:30— 2016-07-19 17:50. Talk location: Cupples I Room 113.
Session: State space methods in operator and function theory. Organized by J. Ball and S. ter Horst.

Amin Boumenir—University of West Georgia
Sampling for multi-parameter spectral theory

Talk time: 2016-07-19 17:30— 2016-07-19 17:50. Talk location: Cupples I Room 218.
Session: Contributed talk

Raphael Clouatre—University of Manitoba
Representations of multiplier algebras of complete Pick spaces on the ball

Talk time: 2016-07-19 17:30— 2016-07-19 17:50. Talk location: Crow 206.
Session: Multivariable operator theory. Organized by H. Woerdeman.

Stephan Schmitz—University Missouri Columbia
On invariant Graph subspaces

Talk time: 2016-07-19 17:30— 2016-07-19 17:50. Talk location: Crow 204.
Session: Applied harmonic analysis, frame theory, and operator theory. Organized by G. Kutyniok.

Adam Dor-On—University of Waterloo
Matrix convex sets: Inclusions, completely positive interpolation and minimality

Talk time: 2016-07-19 18:00— 2016-07-19 18:20. Talk location: Crow 206.
Session: Multivariable operator theory. Organized by H. Woerdeman.

Eric Weber—Iowa State University
Fourier Series on Fractals and the Kaczmarz Algorithm

Talk time: 2016-07-19 18:00— 2016-07-19 18:20. Talk location: Crow 204.
Session: Applied harmonic analysis, frame theory, and operator theory. Organized by G. Kutyniok.

EVA GALLARDO-GUTIERREZ—UNIVERSIDAD COMPLUTENSE DE MADRID E ICMAT

A CONTINUOUS MODEL FOR QUAINILPOTENT OPERATORS AND TRANSLATION INVARIANT SUBSPACES IN WEIGHTED L^2 OF R_+

Talk time: 2016-07-20 09:00— 2016-07-20 09:30. Talk location: Brown Hall 100.
Session: Plenary Talk

Alexander Borichev—Aix-Marseille University
Random and pseudo-random Taylor series

Talk time: 2016-07-20 09:40— 2016-07-20 10:30. Talk location: Brown Hall 100.
Session: Plenary Talk

Orr Shalit—Technion

Dilations, inclusions of matrix convex sets, and completely positive maps

Talk time: 2016-07-20 11:00— 2016-07-20 11:30. Talk location: Brown Hall 100.

Session: Plenary Talk

Sandrine Grellier—université ORLEANS, FRANCE

Multiple singular values of Hankel operators and weak turbulence in the cubic Szegő equation

Talk time: 2016-07-20 11:40— 2016-07-20 12:30. Talk location: Brown Hall 100.

Session: Plenary Talk

Geir Dullerud—University of Illinois

Operators and Feedback Control Theory: Linear Switched Systems

Talk time: 2016-07-21 09:00— 2016-07-21 09:30. Talk location: Brown Hall 100.

Session: Plenary Talk

Tryphon Georgiou—University of California, Irvine

Entropic and Displacement interpolation of probability distributions: geometric and computational aspects

Talk time: 2016-07-21 09:40— 2016-07-21 10:30. Talk location: Brown Hall 100.

Session: Plenary Talk

Carsten Scherer—University of Stuttgart

Operator Techniques in Controller Synthesis

Talk time: 2016-07-21 11:00— 2016-07-21 11:30. Talk location: Brown Hall 100.

Session: Plenary Talk

Anna Skripka—University of New Mexico

Multiple operator integrals and their applications.

Talk time: 2016-07-21 11:40— 2016-07-21 12:30. Talk location: Brown Hall 100.

Session: Plenary Talk

Raul Curto—University of Iowa

An algorithmic approach to the sextic moment problem

Talk time: 2016-07-21 14:30— 2016-07-21 14:50. Talk location: Cupples I Room 113.

Session: Finite and infinite dimensional moment problems. Organized by M. Infusino, S. Kuhlmann, and T. Kuna.

Gopal Datt—University of Delhi

Operator equations and Spectral Problems

Talk time: 2016-07-21 14:30— 2016-07-21 14:50. Talk location: Cupples I Room 215.

Session: Operator theory, singular integral equations, and PDEs. Organized by R. Duduchava, E. Shargorodsky, and J. Lang

Douglas Farenick—University of Regina

Non-commutative Jensen and Chebyshev inequalities for measurable matrix-valued functions and measures

Talk time: 2016-07-21 14:30— 2016-07-21 14:50. Talk location: Crow 206.

Session: Non-commutative inequalities. Organized by J.W. Helton and I. Klep.

Zinaida Lykova—Newcastle University

Algebraic and geometric aspects of rational Γ -inner functions

Talk time: 2016-07-21 14:30— 2016-07-21 14:50. Talk location: Cupples I Room 115.

Session: Function spaces. Organized by J. McCarthy.

Sivaram Narayan—Central Michigan University

Minimal scalings and structural properties of scalable frames

Talk time: 2016-07-21 14:30— 2016-07-21 14:50. Talk location: Cupples I Room 218.

Session: Contributed talk

Santhosh Kumar pamula—IIT Hyderabad

**SPECTRAL THEOREM FOR QUATERNIONIC NORMAL OPERATORS :
MULTIPLICATION FORM**

Talk time: 2016-07-21 14:30— 2016-07-21 14:50. Talk location: Cupples I Room 207.

Session: Contributed talk

Robert Rahm—Washington University in St. Louis

Sharp Weighted Bounds for the Bergman Projection and Related Operators on $A^2(\mathbb{B}^n)$

Talk time: 2016-07-21 14:30— 2016-07-21 14:50. Talk location: Crow 204.

Session: Harmonic analysis. Organized by K. Bickel.

Nicola Arcozzi—University of Bologna

The Dirichlet Space on the bi-disc

Talk time: 2016-07-21 15:00— 2016-07-21 15:20. Talk location: Cupples I Room 115.

Session: Function spaces. Organized by J. McCarthy.

Tim Ferguson—University of Alabama

Mean Holder Continuity, Area Integral Means and Extremal Problems

Talk time: 2016-07-21 15:00— 2016-07-21 15:20. Talk location: Crow 204.

Session: Harmonic analysis. Organized by K. Bickel.

Jadav Ganesh—IIT Hyderabad, India

A Characterization of Absolutely Minimum Attaining operators

Talk time: 2016-07-21 15:00— 2016-07-21 15:20. Talk location: Cupples I Room 207.

Session: Contributed talk

Johan Karlsson—KTH Royal Institute of Technology

Multidimensional Rational Covariance Extension with Applications to Spectral Estimation

Talk time: 2016-07-21 15:00— 2016-07-21 15:20. Talk location: Cupples I Room 113.

Session: Finite and infinite dimensional moment problems. Organized by M. Infusino, S. Kuhlmann, and T. Kuna.

Mario Kummer—Universität Konstanz

On the size of spectrahedral descriptions

Talk time: 2016-07-21 15:00— 2016-07-21 15:20. Talk location: Crow 206.

Session: Non-commutative inequalities. Organized by J.W. Helton and I. Klep.

Armenak Petrosyan—Vanderbilt University

Frames and Bessel systems generated by the iterative actions of operators

Talk time: 2016-07-21 15:00— 2016-07-21 15:20. Talk location: Cupples I Room 218.

Session: Contributed talk

Anna Skripka—University of New Mexico

Spectral shift functions for differential operators.

Talk time: 2016-07-21 15:00— 2016-07-21 15:20. Talk location: Cupples I Room 215.

Session: Operator theory, singular integral equations, and PDEs. Organized by R. Duduchava, E. Shargorodsky, and J. Lang

Michael Kasigwa—Washington State University

Eventually Cone-Positive Semigroups of Linear Operators.

Talk time: 2016-07-21 15:30— 2016-07-21 15:50. Talk location: Cupples I Room 207.

Session: Contributed talk

Jan Lang—OSU

Notes on spectral theory on Banach spaces

Talk time: 2016-07-21 15:30— 2016-07-21 15:50. Talk location: Cupples I Room 215.

Session: Operator theory, singular integral equations, and PDEs. Organized by R. Duduchava, E. Shargorodsky, and J. Lang

Jireh Loreaux—University of Cincinnati

Diagonals of operators with specified singular values

Talk time: 2016-07-21 15:30— 2016-07-21 15:50. Talk location: Cupples I Room 218.

Session: Contributed talk

Jiawang Nie—University of California, San Diego

Quantum entanglement and separable matrices

Talk time: 2016-07-21 15:30— 2016-07-21 15:50. Talk location: Cupples I Room 113.

Session: Finite and infinite dimensional moment problems. Organized by M. Infusino, S. Kuhlmann, and T. Kuna.

Maria Cristina Pereyra—University of New Mexico

Quantitative two weight estimates for dyadic operators

Talk time: 2016-07-21 15:30— 2016-07-21 15:50. Talk location: Crow 204.

Session: Harmonic analysis. Organized by K. Bickel.

Maria Tjani—University of Arkansas
Weighted composition operators from Banach spaces of analytic functions into Bloch-type spaces

Talk time: 2016-07-21 15:30— 2016-07-21 15:50. Talk location: Cupples I Room 115.
Session: Function spaces. Organized by J. McCarthy.

Jurij Volcic—The University of Auckland
Regular and positive noncommutative rational functions

Talk time: 2016-07-21 15:30— 2016-07-21 15:50. Talk location: Crow 206.
Session: Non-commutative inequalities. Organized by J.W. Helton and I. Klep.

Sergey Belyi—Troy University
A system coupling and Donoghue classes of Herglotz-Nevanlinna functions.

Talk time: 2016-07-21 16:00— 2016-07-21 16:20. Talk location: Cupples I Room 218.
Session: Contributed talk

Maria Infusino—University of Konstanz
The full infinite dimensional moment problem on symmetric algebras of locally convex real spaces

Talk time: 2016-07-21 16:00— 2016-07-22 16:20. Talk location: Cupples I Room 113.
Session: Finite and infinite dimensional moment problems. Organized by M. Infusino, S. Kuhlmann, and T. Kuna.

Oleksandr Karelin—Hidalgo State University
On singular integral operators with linear-fractional involutions

Talk time: 2016-07-21 16:00— 2016-07-21 16:20. Talk location: Cupples I Room 215.
Session: Operator theory, singular integral equations, and PDEs. Organized by R. Duduchava, E. Shargorodsky, and J. Lang

Wing Suet Li—Georgia Institute of Technology
Horn inequalities for singular values of products of operators

Talk time: 2016-07-21 16:00— 2016-07-21 16:20. Talk location: Cupples I Room 115.
Session: Function spaces. Organized by J. McCarthy.

Shahaf Nitzan—Georgia Tech
Persistence as a spectral property

Talk time: 2016-07-21 16:00— 2016-07-21 16:20. Talk location: Crow 204.
Session: Harmonic analysis. Organized by K. Bickel.

Yunied Puig de Dios—Ben Gurion University of the Negev (Israel)
A mixing operator T for which the tuple (T, T^2) is not disjoint transitive.

Talk time: 2016-07-21 16:00— 2016-07-21 16:20. Talk location: Cupples I Room 207.
Session: Contributed talk

Aljaz Zalar—Institute of Mathematics, Physics, and Mechanics, Ljubljana,
Slovenia

**Operator positivstellensätze for noncommutative polynomials positive on matrix
convex sets**

Talk time: 2016-07-21 16:00— 2016-07-21 16:20. Talk location: Crow 206.
Session: Non-commutative inequalities. Organized by J.W. Helton and I. Klep.

Michael Dritschel—Newcastle University

TBA

Talk time: 2016-07-21 17:00— 2016-07-21 17:20. Talk location: Cupples I Room 115.
Session: Function spaces. Organized by J. McCarthy.

Anuradha Gupta—University of Delhi

WEYL TYPE THEOREMS FOR NON-NORMAL OPERATORS

Talk time: 2016-07-21 17:00— 2016-07-21 17:20. Talk location: Cupples I Room 218.
Session: Contributed talk

Ji Li—Macquarie University

**Weak factorization of Hardy spaces and characterization of BMO spaces in the Bessel
setting and applications**

Talk time: 2016-07-21 17:00— 2016-07-21 17:20. Talk location: Crow 204.
Session: Harmonic analysis. Organized by K. Bickel.

Martino Lupini—California Institute of Technology

The noncommutative Poulsen simplex

Talk time: 2016-07-21 17:00— 2016-07-21 17:20. Talk location: Crow 206.
Session: Non-commutative inequalities. Organized by J.W. Helton and I. Klep.

Ameur Seddik—Batna II University (Algeria)

**CHARACTERIZATION OF SOME DISTINGUISHED CLASSES OF OPERATORS
IN TERMS OF OPERATOR INEQUALITIES**

Talk time: 2016-07-21 17:00— 2016-07-21 17:20. Talk location: Cupples I Room 207.
Session: Contributed talk

Abdolaziz Abdollahi—Shiraz University

**Non circularity of the numerical range of finite order elliptic automorphism
composition operators**

Talk time: 2016-07-21 17:30— 2016-07-21 17:50. Talk location: Cupples I Room 207.
Session: Contributed talk

Ramesh Golla—Indian Institute of Technology Hyderabad

ABSOLUTELY MINIMUM ATTAINING CLOSED OPERATORS

Talk time: 2016-07-21 17:30— 2016-07-21 17:50. Talk location: Cupples I Room 218.
Session: Contributed talk

Eli Shamovich—Technion, Israel

Non-Commutative Functions on the Non-Commutative Ball

Talk time: 2016-07-21 17:30— 2016-07-21 17:50. Talk location: Crow 206.

Session: Non-commutative inequalities. Organized by J.W. Helton and I. Klep.

Il Ju An—Kyung Hee University

Remark on operator matrices and their Weyl type theorems

Talk time: 2016-07-21 18:00— 2016-07-21 18:20. Talk location: Cupples I Room 218.

Session: Contributed talk

Joseph Ball—Virginia Tech

Beurling-Lax representation for weighted Bergman-shift invariant subspaces

Talk time: 2016-07-21 18:00— 2016-07-21 18:20. Talk location: Crow 206.

Session: Non-commutative inequalities. Organized by J.W. Helton and I. Klep.

Richard Timoney—Trinity College Dublin

Elementary operators and their lengths

Talk time: 2016-07-22 09:00— 2016-07-22 09:30. Talk location: Brown Hall 100.

Session: Plenary Talk

Kenneth Davidson—University of Waterloo

The functional calculus for commuting row contractions

Talk time: 2016-07-22 09:40— 2016-07-22 10:30. Talk location: Brown Hall 100.

Session: Plenary Talk

Victor Vinnikov—Ben Gurion University of the Negev

Noncommutative completely positive kernels and noncommutative interpolation

Talk time: 2016-07-22 11:00— 2016-07-22 11:30. Talk location: Brown Hall 100.

Session: Plenary Talk

Nicholas Young—Leeds and Newcastle Universities

A Nagy-Foias model for commuting pairs of contractions

Talk time: 2016-07-22 11:40— 2016-07-22 12:30. Talk location: Brown Hall 100.

Session: Plenary Talk

Lawrence Fialkow—SUNY New Paltz

Positivity and representing measures in the truncated moment problem

Talk time: 2016-07-22 14:30— 2016-07-22 14:50. Talk location: Cupples I Room 113.

Session: Finite and infinite dimensional moment problems. Organized by M. Infusino, S. Kuhlmann, and T. Kuna.

Ishwari Kunwar—Georgia Institute of Technology

Weighted Estimates for Multilinear Dyadic Operators and Their Commutators

Talk time: 2016-07-22 14:30— 2016-07-22 14:50. Talk location: Crow 204.

Session: Harmonic analysis. Organized by K. Bickel.

James Pascoe—Washington University in St. Louis

Monotonicity in several non-commuting variables

Talk time: 2016-07-22 14:30— 2016-07-22 14:50. Talk location: Crow 206.

Session: Non-commutative inequalities. Organized by J.W. Helton and I. Klep.

Rudy Rodsphon—Vanderbilt University

Quantizations and index theory

Talk time: 2016-07-22 14:30— 2016-07-22 14:50. Talk location: Cupples I Room 115.

Session: Non-commutative geometry. Organized by X. Tang.

Irina Holmes—WUSTL

Two-Weight Inequalities for Commutators

Talk time: 2016-07-22 15:00— 2016-07-22 15:20. Talk location: Crow 204.

Session: Harmonic analysis. Organized by K. Bickel.

David Kimsey—Newcastle University

Quaternion-valued positive definite functions on locally compact Abelian groups and nuclear spaces

Talk time: 2016-07-22 15:00— 2016-07-22 15:20. Talk location: Cupples I Room 113.

Session: Finite and infinite dimensional moment problems. Organized by M. Infusino, S. Kuhlmann, and T. Kuna.

Craig Kleski—Miami University

A noncommutative Bishop-de Leeuw theorem

Talk time: 2016-07-22 15:00— 2016-07-22 15:20. Talk location: Crow 206.

Session: Non-commutative inequalities. Organized by J.W. Helton and I. Klep.

Markus Pflaum—University of Colorado

Brylinski's sheaf complex for proper Lie groupoids

Talk time: 2016-07-22 15:00— 2016-07-22 15:20. Talk location: Cupples I Room 115.

Session: Non-commutative geometry. Organized by X. Tang.

Eric Evert—University of California, San Diego

Circular Free Spectrahedra

Talk time: 2016-07-22 15:30— 2016-07-22 15:50. Talk location: Crow 206.

Session: Non-commutative inequalities. Organized by J.W. Helton and I. Klep.

Joshua Isralowitz—University at Albany

Boundedness of commutators and H^1 -BMO duality in the two matrix weighted setting

Talk time: 2016-07-22 15:30— 2016-07-22 15:50. Talk location: Crow 204.

Session: Harmonic analysis. Organized by K. Bickel.

Tobias Kuna—University of Reading

The truncated discrete moment problem from one to infinite dimensions.
Talk time: 2016-07-22 15:30— 2016-07-22 15:50. Talk location: Cupples I Room 113.
Session: Finite and infinite dimensional moment problems. Organized by M. Infusino, S. Kuhlmann, and T. Kuna.

YiJun Yao—Fudan University

TBA

Talk time: 2016-07-22 15:30— 2016-07-22 15:50. Talk location: Cupples I Room 115.
Session: Non-commutative geometry. Organized by X. Tang.

Yeong Chyuan Chung—Texas A&M University

Quantitative K -theory for SQ_p -algebras

Talk time: 2016-07-22 16:00— 2016-07-22 16:20. Talk location: Cupples I Room 115.
Session: Non-commutative geometry. Organized by X. Tang.

Kabe Moen—University of Alabama

Matrix A_p weights, degenerate Sobolev spaces, and mappings of finite distortion.

Talk time: 2016-07-22 16:00— 2016-07-22 16:20. Talk location: Crow 204.
Session: Harmonic analysis. Organized by K. Bickel.

Victor Vinnikov—Ben Gurion University of the Negev

Power series expansions and realization theory for noncommutative rational functions around a matrix point

Talk time: 2016-07-22 16:00— 2016-07-22 16:20. Talk location: Crow 206.
Session: Non-commutative inequalities. Organized by J.W. Helton and I. Klep.

Philip Bengé—Washington University in St. Louis

A Two-Weight Inequality for Essentially Well Localized Operators

Talk time: 2016-07-22 17:00— 2016-07-22 17:20. Talk location: Crow 204.
Session: Harmonic analysis. Organized by K. Bickel.

Benjamin Passer—Washington University in St. Louis

Iterated Joins of Compact Groups

Talk time: 2016-07-22 17:00— 2016-07-22 17:20. Talk location: Cupples I Room 115.
Session: Non-commutative geometry. Organized by X. Tang.

Ryan Tully-Doyle—Hampton University

TBA

Talk time: 2016-07-22 17:00— 2016-07-22 17:20. Talk location: Crow 206.
Session: Non-commutative inequalities. Organized by J.W. Helton and I. Klep.

Ken Dykema—Texas A&M University

TBA

Talk time: 2016-07-22 17:30— 2016-07-22 17:50. Talk location: Crow 206.
Session: Non-commutative inequalities. Organized by J.W. Helton and I. Klep.

Rachid El Harti—University Hassan I

The slice property and equalizers of diagrams of C^* -algebras.

Talk time: 2016-07-22 17:30— 2016-07-22 17:50. Talk location: Cupples I Room 115.

Session: Non-commutative geometry. Organized by X. Tang.

Branimir Ćaćić—University of New Brunswick

Spectral triples for discrete groups

Talk time: 2016-07-22 18:00— 2016-07-22 18:20. Talk location: Cupples I Room 115.

Session: Non-commutative geometry. Organized by X. Tang.

Christoph Hanselka—University of Auckland

TBA

Talk time: 2016-07-22 18:00— 2016-07-22 18:20. Talk location: Crow 206.

Session: Non-commutative inequalities. Organized by J.W. Helton and I. Klep.
