

# Hilbert Function Spaces 2017

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Sunday, May 28

**16:00 - 19:00**      **Welcome and registration**

**19:30**              **Dinner**

# Hilbert Function Spaces 2017

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Monday, May 29

- 9:00 - 9:50**      **Isabelle Chalendar** (Université Paris-Est, France)  
Asymptotic behaviour of powers of composition operators
- 9:50 - 10:30**      **Coffee break**
- 10:30 - 11:20**      **Artur Nicolau** (Universitat Autònoma de Barcelona, Spain)  
Oscillation of Holder continuous functions
- 11:30 - 12:20**      **Eero Saksman** (University of Helsinki, Finland)  
Rigidity of composition and Volterra type operators on the Hardy spaces
- 12:30**              **Lunch**
- 15:00 -15:50**      **Frédéric Bayart** (Université Clermont Auvergne, France)  
Contractive inequalities for Bergman spaces and multiplicative Hankel forms
- 16:00 - 16:20**      **Alejandro J. Castro** (Nazarbayev University, Kazakhstan)  
Global maximal function estimates associated to oscillatory integrals and related dispersive equations
- 16:20 -16:50**      **Coffee break**
- 16:50 - 17:10**      **Alessandro Monguzzi** (Università di Milano, Italy)  
A Paley--Wiener Theorem for a class of holomorphic function spaces on the Siegel upper half-space
- 17:20 - 17:40**      **Piotr Budzyński** (University of Agriculture in Krakow)  
Analytic structure of weighted shifts on directed trees
- 17:45 - 18:05**      **Lourdes Rodríguez-Mesa** (Universidad de La Laguna, Spain)  
Variable exponent Hardy spaces associated with discrete Laplacians on graphs
- 18:10 – 18:30**      **Bartosz Malman** (Lunds Universitet, Sweden)  
Continuous functions in de Branges-Rovnyak spaces
- 19:30**              **Dinner**

# Hilbert Function Spaces 2017

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Tuesday, May 30

- 9:00 - 9:50**      **Alexandru Aleman** (Lunds Universitet, Sweden)  
Factorizations induced by complete Nevanlinna-Pick factors
- 9:50 - 10:30**      **Coffee break**
- 10:30 - 11:20**      **Anton Baranov** (St. Petersburg State University, Russia)  
Spectral synthesis in the Fock space
- 11:30 - 12:20**      **Malabika Pramanik** (The University of British Columbia, Canada)  
On directions and operators
- 12:30**              **Lunch**
- 15:00 -15:50**      **Shahaf Nitzan** (Georgia Tech, Atlanta, USA)  
The Balian-Low theorem in the finite dimensional setting
- 16:00 - 16:20**      **Katie Quermous** (James Madison University, USA)  
Linear-fractional Composition  $C^*$ -algebras
- 16:20 -16:50**      **Coffee break**
- 16:50 - 17:10**      **Edward Timko** (Indiana University Bloomington, USA)  
On finite tuples of commuting shifts of finite multiplicity
- 17:20 - 17:40**      **Matthew Fleeman** (Baylor University)  
Hyponormal Toeplitz Operators with Non-harmonic symbols acting on the Bergman space
- 17:50 - 18:10**      **H. Turgay Kaptanoglu** (Bilkent University, Ankara, Turkey)  
Singular integral operators induced by Bergman-Besov kernel on weighted Lebesgue classes on the ball
- 19:30**              **Dinner**

# Hilbert Function Spaces 2017

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Wednesday, May 31

**9:00 - 9:50**      **Eva Gallardo-Gutierrez** (Universidad Complutense de Madrid, Spain)  
Operators having no non-trivial closed invariant subspaces in  $\ell^1$ :  
A step further

**9:50 - 10:30**      **Coffee break**

**10:30 - 10:50**      **Raul Curto** (University of Iowa, USA)  
A new necessary condition for the hyponormality of Toeplitz operators  
on the Bergman space

**11:00 - 11:20**      **Zinaida Lykova** (Newcastle University, UK)  
The norm-preserving extension property in the symmetrized bidisc  
 $\Gamma$  and von Neumann-type inequalities for  $\Gamma$ -  
contractions

**11:30 - 12:20**      **William Ross** (University of Richmond, USA)  
Multipliers between sub-Hardy Hilbert spaces

**12:30**              **Lunch**

**(Free afternoon)**

**19:30**              **Dinner**

# Hilbert Function Spaces 2017

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Thursday, June 1

- 9:00 - 9:50**      **Eric Sawyer** (McMaster University, Canada)  
Weighted norm inequalities for product fractional integrals
- 9:50 - 10:30**      **Coffee break**
- 10:30 - 11:20**      **Kelly Bickel** (Bucknell University - Lewisburg, USA)  
Geometry of Singularities and Membership in Function Spaces
- 11:30 - 12:20**      **José Ángel Peláez Márquez** (Universidad de Málaga, Spain)  
Weighted Bergman projections on  $L^\infty$
- 12:30**              **Lunch**
- 15:00 - 15:50**      **Fabrizio Colombo** (Politecnico di Milano, Italy)  
Quaternionic spectral theory and applications to diffusion processes
- 16:00 - 16:20**      **Michael Hartz** (Washington University in St. Louis, USA)  
Interpolating sequences in complete Pick spaces
- 16:20 - 16:50**      **Coffee break**
- 16:50 - 17:10**      **Benjamin Russo** (University of Connecticut, USA)  
A generalization of the Fock space
- 17:20 - 17:40**      **Serap Oztop Kaptanoglu** (Istanbul University, Turkey)  
A new approach to Feichtinger algebras
- 17:45 - 18:05**      **Ilya M. Spitkovsky** (New York University, Abu Dhabi, UAE)  
Factorization of almost periodic matrix functions: some recent results and open problems
- 18:10 - 18:30**      **Uğur Gül** (Hacettepe University, Turkey)  
Quasi-parabolic composition operators on weighted Bergman spaces
- 19:30**              **Dinner**

# Hilbert Function Spaces 2017

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Friday, June 2

- 9:00 - 9:50**      **Eugenia Malinnikova** (Norges Universitet, Trondheim, Norway)  
Complex Jacobi Matrices and sharp uniqueness for Schrodinger evolution
- 9:50 - 10:30**      **Coffee break**
- 10:30 - 10:50**      **Kou Hei Izuchi** (Yamaguchi University, Japan)  
Cyclicity of reproducing kernels in weighted Hardy spaces over the bidisk
- 11:00 - 11:20**      **Nicholas Young** (Newcastle University and Leeds University)  
Hilbert space methods for some interpolation problems arising in control engineering
- 11:30 - 12:20**      **Alexander Volberg** (Michigan State University, East Lansing, USA)  
Harmonic measure and harmonic analysis
- 12:30**              **Lunch**
- (Free afternoon)**
- 19:30**              **Dinner**