

**Schedule for Thematic Session I:
Operators, functions and linear systems
Lecture Hall I of the Mathematics Department**

Organizers: [Rien Kaashoek](#) and [Sanne ter Horst](#)

Monday, December 16

Time	Speaker	Title
14:15 – 15:00	Denis Potapov	Frechet differentiability of Schatten-von Neumann p-norms
15:00 – 15:45	Sourav Pal	Spectral sets and distinguished varieties in the symmetrized bidisc

Tuesday, December 17 at LH I

Time	Speaker	Title
14:15 – 15:00	Roland Duduchava	Calculus of Gunter's derivatives and a shell theory
15:00 – 15:45	Alexander Sakhnovich	Explicit solutions of linear and nonlinear evolution equations depending on several variables
15:45 – 16:30	Jacob Jaftha	Dissipative linear relations in Banach spaces and a multivalued version of the Lumer-Phillips Theorem

Tuesday, December 17 at LH II

Time	Speaker	Title
14:15 – 15:00	Alon Bulbil	Continuous stochastic linear systems
15:00 – 15:45	Santanu Dey	Functional Model for multi-analytic operators
15:45 – 16:30	Snehlatha Ballamoole	A class of integral operators on spaces of analytic functions

Wednesday, December 18

Time	Speaker	Title
14:15 – 15:00	Joseph A. Ball	Convexity analysis and integral representations for generalized Schur/Herglotz function classes
15:00 – 15:45	Nicholas Young	Realization of symmetric analytic functions of noncommuting variables
15:45 – 16:30	Sanne ter Horst	Equivalence after extension and Schur coupling coincide, on separable Hilbert spaces

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Thursday, December 19

Time	Speaker	Title
14:15 – 15:00	Daniel Alpay	Schur analysis in the setting of slice hyperholomorphic functions
15:00 – 15:45	Salma Kuhlmann	Application of Jacobi's Representation Theorem to locally multiplicatively convex topological real algebras
15:45 – 16:30	Mehdi Ghasemi	Moment problem for continuous linear functionals

Friday, December 20

Time	Speaker	Title
14:15 – 15:00	Victor Vinnikov	Determinantal representations of stable and hyperbolic polynomials
15:00 – 15:45	Zinaida Lykova	3-extremal holomorphic maps and the symmetrised bidisc
15:45 – 16:30	Eli Shamovich	Determinantal Representations and Hyperbolicity on the Grassmannian