

**Spectral theory of Hankel operators and related topics**  
Research workshop at King's College London, 2-3 November 2017

**PROGRAMME (version 1 November 2017)**

**THURSDAY 2 November**

room S3.30 (King's College, Strand Building)

10:00–11:00: PATRICK GÉRARD (Paris-Sud)

*Schmidt pairs and characteristic inner functions for Hankel operators*

COFFEE BREAK

11:30–12:30: PAVEL ŠŤOVÍČEK (Prague)

*On the Hilbert matrix and its generalizations*

LUNCH

14:00–15:00: CHRISTIAN BERG (Copenhagen)

*Hankel matrices of indeterminate moment problems*

COFFEE BREAK

15:30–16:30: DMITRI YAFAEV (Rennes)

*On semibounded Toeplitz and Hankel operators*

COFFEE BREAK

17:00–18:00: IGOR KRASOVSKY (Imperial College London)

*Asymptotics of Hankel determinants*

19:15: CONFERENCE DINNER

Tas, The Cut, Turkish/Mediterranean

**FRIDAY 3 November**

room K3.11 (King's College, King's Building)

10:00–11:00: NIKOLAI NIKOLSKI (Bordeaux and Chebyshev Lab, St.Petersburg)  
*Moore-Penrose Hankel condition numbers*

COFFEE BREAK

11:30–12:30: SERGEI TREIL (Brown University)  
*Finite rank perturbations, Clark model, and matrix weights*

LUNCH

14:00–15:00: JONATHAN PARTINGTON (Leeds)  
*Numerical ranges of restricted shifts, and norms of truncated Toeplitz operators*

COFFEE BREAK

15:30–16:30: ROMAN BESSONOV (Chebyshev Lab, St.Petersburg)  
*A spectral Szegő theorem on the real line*

COFFEE BREAK

17:00–18:00: EUGENE SHARGORODSKY (King's College London)  
*On the essential norms of Toeplitz operators*