Monday, August 1, 2016

**Room C**

9:00–9:50 N. Nikolski, S. Petermichl, S. Treil *Opening lecture*

10:00–10:50 K. Astala *Invertibility of Beltrami operators, Burkholder functional and Chord-arc curves*

10:50–11:20 *coffee*

11:20–11:50 A. Eremenko *A remarkable (anti)-holomorphic dynamical system*

12:00–12:30 S. Kisliakov *Some observations concerning the corona theorem*

12:40–13:10 S. Pott *Matrix weights: On the way to the linear bound*

13:30 *lunch*

15:30–16:00 **Room A** O. Dragičević *Convexity of power functions and applications to functional calculus*

15:30–16:00 **Room C** P. F. X. Müller *Compensated compactness, interpolatory estimates, Riesz transforms and wavelet projections*

16:10–16:40 **Room A** S. Król *Application of weighted inequalities to extrapolation of the maximal regularity of the abstract Cauchy problems*

16:10–16:40 **Room C** A. Kamont *Directional wavelet projections and interpolatory estimates for the Riesz transforms revisited*

16:40–17:10 *coffee*

17:10–17:40 **Room A** J. Rozendaal *Operator-valued \((L^p, L^q)\)-Fourier multipliers*

17:10–17:40 **Room C** A. Pushnitski *An inverse spectral problem for self-adjoint positive Hankel operators*

17:50–18:20 **Room A** A. Kalamajska *Hardy-type inequalities derived from degenerated p-harmonic problems*

17:50–18:20 **Room C** R. Bessonov *Krein strings via truncated Toeplitz operators*

19:00 *dinner*
Tuesday, August 2, 2016

**ROOM C**

9:00–9:50  G. David *Boundary regularity for minimal sets of dimension 2*

10:00–10:50  E. Malinnikova *Ratios of harmonic functions*

10:50–11:20  *coffee*

11:20–11:50  V. Vasyunin *Recent results in Bellman function technique*

12:00–12:30  M. Wojciechowski *Isomorphism of spaces of BV-functions on simply connected planar domains*

12:40–13:10  J. Onninen *Monotone Sobolev Mappings of planar domains*

13:30  *lunch*

15:30–16:00  **ROOM A** A. Nishry *Gaussian Complex Zeros: Large fluctuations and conditional distribution*

15:30–16:00  **ROOM C** R. Hurri-Syrjanen *Aspects of local-to-global results*

16:10–16:40  **ROOM A** A. Glücksam *Translation invariant probability measures on the space of entire functions*

16:10–16:40  **ROOM C** B. Wróbel *A characterization of spherical multipliers on homogeneous trees*

16:40–17:10  *coffee*

17:10–17:40  **ROOM A** B. Trojan *Maximal estimates for discrete operators of Radon-types*

17:10–17:40  **ROOM C** V. Kovač *Bellman functions and $L^p$ estimates for paraproducts*

17:50–18:20  **ROOM A** B. Eichinger *Szegö–Widom asymptotics of Chebyshev polynomials on circular arcs*

17:50–18:20  **ROOM C** M. Strzelecki *The $L^p$-norms of the Beurling–Ahlfors transform on radial functions*

18:30–18:50  **ROOM A** N. Boros *Matrix weights, Littlewood Paley inequalities and the Riesz transform*

18:30–18:50  **ROOM C** P. Durcik *Quantitative estimates for the simplex Hilbert transform*

19:00  *dinner*
Harmonic analysis, complex analysis, spectral theory and all that

August 1–5, 2016, Będlewo, Poland

Wednesday, August 3, 2016

ROOM C

9:00–9:50 X. Tolsa The Riesz transform, quantitative rectifiability, and a two-phase problem for harmonic measure

10:00–10:50 M. Christ A sharpened Riesz–Sobolev inequality

10:50–11:20 coffee

11:20–11:50 T. Hytönen A tale of two theorems (T1 and A2)

12:00–12:30 B. Jaye Necessary and sufficient conditions for the boundedness of Calderón–Zygmund operators in terms of non-oscillatory quantities


13:10 lunch

14:00–19:00 excursion to Poznań / hiking excursion

19:00 special dinner
Harmonic analysis, complex analysis, spectral theory and all that

August 1–5, 2016, Będlewo, Poland

Thursday, August 4, 2016

ROOM C

9:00–9:50 Ch. Thiele Quantitative norm convergence for two commuting transformations

10:00–10:50 K. Seip From Gál’s theorem to extreme values of the Riemann zeta function

10:50–11:20 coffee

11:20–11:50 M. Shishikura Quasiconformal deformation and cross-ratios

12:00–12:30 A. Zdunik Real analyticity for random dynamics of transcendental functions

12:40–13:10 M. Benedicks Mathematical problems in density functional theory and unique continuation

13:30 lunch

15:30–16:00 Room A K. Dyakonov Locally inner functions and their derivatives

Room C T. Adamowicz Prime ends and quasiconformal mappings

16:10–16:40 Room A A. Kiro Taylor coefficients of Beurling classes of smooth functions and operators moment summation methods

Room C L. D’Onofrio Note on Lusin (N) condition and the distributional determinant

16:40–17:10 coffee

17:10–17:40 Room A P. Nayar Brunn–Minkowski inequality for log-concave measures

Room C A. Austin Logarithmic potentials and quasiconformal flows on the Heisenberg group

17:50–18:20 Room A N. Pattakos On existence of global solutions of the 1-dimensional cubic NLS for initial data in the modulation space $M_{p,q}$

Room C B. Langowski Sobolev and potential spaces related to Jacobi expansions

18:30–19:00 Room A H. Hedenmalm Bloch functions and notions of asymptotic variance

Room C K. Ciosmak Differentiable functions on modules and the equation $\text{grad}(w) = M \text{grad}(v)$

19:00 dinner
Harmonic analysis, complex analysis, spectral theory and all that

August 1–5, 2016, Będlewo, Poland

Friday, August 5, 2016

**ROOM C**

9:00–9:30 A. Volberg *A₂-conjecture in non-homogeneous setting*

9:40–10:10 A. Logunov *Nodal sets of Laplace Eigenfunctions: pursuing the conjectures by Yau and Nadirashvili*

10:20–10:50 A. Osękowski *Inequalities for Beurling–Ahlfors operator and related Fourier multipliers*

10:50–11:20 coffee

11:20–11:50 C. Pérez *Extensions of the weak type (1, 1) property of classical operators: some conjectures by E. Sawyer*

12:00–12:30 **ROOM A** V. Eiderman *Maximum principle for the s-Riesz transform*

12:00–12:30 **ROOM C** P. Ohrysko *Non-separability of the Gelfand space of measure algebras*

12:40–13:10 **ROOM A** S. Zimmerman *Sobolev extensions of Lipschitz mappings into metric spaces*

12:40–13:10 **ROOM C** A. Seddik *Moore–Penrose inverse and operator inequalities*

13:10 lunch

14:00 *bus to Poznań railway station (arriving 15:15) and Poznań airport (arriving 16:00)*