

Miniworkshop

Operator Theoretic Aspects of Ergodic Theory

Leipzig, January 20-21, 2017

Organizers: Tanja Eisner and Agnes Radl

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Friday, January 20, 2017 (Lecture Room: P 501, Augustusplatz 10)

09:00–10:00	Michael Lin (Beer-Sheva)	<i>Ergodic theorems and geometry of Banach spaces</i>
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COFFEE BREAK

10:30–10:55	Marcel Schmidt (Jena)	<i>Does diffusion determine the geometry?</i>
10:55–11:20	Moritz Gerlach (Potsdam)	<i>Convergence of dynamics and the Perron-Frobenius operator</i>
11:25–11:50	Uwe Stroinski (Tübingen)	<i>From elliptic curves to Koopman operators</i>
11:50–12:15	Tim Krake (Tübingen)	<i>Dynamic mode decomposition and its interpretation through the Koopman operator</i>

LUNCH BREAK

14:00–15:00	Zoltán Buczolich (Budapest)	<i>Almost everywhere convergence of ergodic averages</i>
15:05–15:30	Pavel Zorin-Kranich (Bonn)	<i>A double return times theorem</i>
15:30–15:55	Bálint Farkas (Wuppertal)	<i>Wiener's lemma for the primes</i>

COFFEE BREAK

16:25–16:50	Nikita Moriakov (Leiden)	<i>Effective Vitali covering lemma and applications</i>
16:50–17:15	Viktoria Kühner (Tübingen)	<i>Spectral characterization of attractors</i>
17:15–17:40	Nikolai Edeko (Paris)	<i>Systems with discrete spectrum</i>

CONFERENCE DINNER (at 18:30 in restaurant *Andria*, Nikolaistraße 22)

Saturday, January 21, 2017 (Lecture Room: P 502, Augustusplatz 10)

09:00–10:00	Oliver Butterley (Trieste)	<i>The statistical properties of chaotic flows and the associated operator semigroups</i>
10:05–10:30	Manfred Wolff (Tübingen)	<i>Mean ergodic theorems and asymptotic behavior of positive semigroups on ordered Banach spaces</i>
10:30–10:55	András Bátkai (Feldkirch)	<i>Perturbations of positive semigroups</i>

COFFEE BREAK

11:25–11:50	Henrik Kreidler (Tübingen)	<i>Compact operator semigroups</i>
11:50–12:15	Christian Budde (Wuppertal)	<i>Mean ergodic theorems for bi-continuous semigroups</i>
12:15–12:40	Roland Gunesch (Feldkirch)	<i>The Anosov-Katok method and recent results</i>

FAREWELL