WMI Piecewise & Low-dimensional Dynamics

4th-6th July 2011

Programme

All talks will be held in Room B3.03, Mathematics Institute

Monday 4th July

09:30	**Tomasz Nowicki**	*Dynamics of the Error Diffusion Algorithm I*
10:30		Coffee in the Mathematics Institute Common Room
11:00	**Tomasz Nowicki**	*Dynamics of the Error Diffusion Algorithm II*
12:00		Lunch in the Mathematics Institute Common Room
13:30	**Maciej Wojtkowski**	*Symmetries of Berg partitions*
14:30	**Evelyn Sander**	*Connecting period-doubling cascades to chaos*
15:30		Tea in the Mathematics Institute Common Room
16:00	**Shin Kiriki**	*Renormalized dynamics near heterodimensional tangencies and existence of robust cycles*
17:00	**Daniel Schnellmann**	*Typical points for one-parameter families of non-degenerate piecewise expanding unimodal maps*
17:45	**Christian Wolf**	*Variation of topological pressure for complex Hénon maps*
18:30	**Robbert Fokkink**	Dynamics of subtractive algorithms
19:15		Dinner in the Mathematics Institute Common Room

Tuesday 5th July

09:30	**Tomasz Nowicki**	*Dynamics of the Error Diffusion Algorithm III*
10:30		Coffee in the Mathematics Institute Common Room
11:00	**Duncan Sands**	*Dynamics of continuous piecewise affine maps I*
12:00		Lunch in the Mathematics Institute Common Room
13:30	**Sheldon Newhouse**	*TBA*
14:30	**Peter Aswhin**	*Piecewise isometries - from the line to the plane*
15:00		Tea in the Mathematics Institute Common Room
16:00	**Izzet Burak Yildiz**	*Topological Entropy of the Lozi Maps*
17:00	**Duncan Sands**	*Dynamics of continuous piecewise affine maps II*
18:00	**Yiwei Zhang**	*Invariant measures with bounded variation densities for piecewise area preserving maps*
18:20	TBA	*Short Talks*
19:15		Dinner in the Mathematics Institute Common Room
20:15	TBA	*Short Talks*

Wednesday 6th July

09:30	**Duncan Sands**	*Dynamics of continuous piecewise affine maps III*
10:30		Coffee in the Mathematics Institute Common Room
10:30	**Shigeki Akiyama**	*Why do piecewise isometries have Pisot scalings?*
12:00		Lunch in the Street, Mathematics Institute

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