

New Interactions between Analysis, Topology, and Computation

Programme

Wednesday

9:30		<i>Welcome</i>
10:00	Ulrich Berger	<i>A coinductive approach to exact real number computation</i>
11:00		<i>Coffee break</i>
11:30	Petrus H Potgieter	<i>Notions of computable set in Euclidean space and the elementary practice of computational geometry</i>
12:30		<i>Lunch</i>
14:00	Abbas Edalat	<i>Lipschitz derivative of functions</i>
15:00		<i>Coffee Break</i>
15:30	Matthias Schröder	<i>Extensional versus intensional hierarchy over the reals: recent progress</i>
16:30	Willem Fouche	<i>Fractal geometry of algorithmically random Brownian motion</i>

Thursday

10:00	Vasco Brattka	<i>On the classification of theorems in analysis</i>
11:00		<i>Coffee break</i>
11:30	Hans Peter Künzi	<i>The Lattice of Quasi-uniformities</i>
12:30		<i>Lunch</i>
14:00	Steve Vickers	<i>The topos approach to quantum theory</i>
15:00		<i>Coffee Break</i>
15:30	Bas Spitters	<i>Quantum theory and topos theory</i>
16:30	Gareth Boxall	<i>Some ideas around geometric theories</i>

Friday

10:00	Alex Simpson	<i>Spaces of Valuations Revisited</i>
11:00		<i>Coffee break</i>
11:30	Mathieu Hoyrup	<i>Effective probability theory</i>
12:30		<i>Lunch</i>
14:00	Klaus Keimel	<i>Embedding locally compact ordered cones in ordered topological vector spaces</i>
15:00		<i>Coffee Break</i>
15:30	Partha Pratim Ghosh	<i>Characterising C-type subrings of $C(X)$</i>
16:30	Biswajit Mitra	<i>Hard-pseudocompact spaces</i>