

Duality Theory in Algebra, Logic and Computer Science

Workshop I – 13-14 June 2012

SCHEDULE

Talks will take place in Lecture Room 3 (Wednesday) and Lecture Room 2 (Thursday) in the Mathematical Institute.

<u>WEDNESDAY</u>		
From 08:30	Registration	
09:25-09:30	Welcome	
09:30-10:20	Jimmie Lawson	<i>Dualities of stably compact spaces</i>
10:20-10:40	- Coffee Break -	
10:40-11:30	Klaus Keimel	<i>The duality between direct and predicate transformer semantics</i>
11:30-12:20	Michael Mislove	<i>Stone duality in unexpected places</i>
12:20-14:00	- Lunch Break -	
14:00-14:50	Alexander Kurz	<i>Positive coalgebraic logic</i>
14:50-15:40	Sam van Gool	<i>Topological duality for lattices via canonical extensions</i>
15:40-16:00	- Coffee Break -	
16:00-16:50	Guram Bezhanishvili	<i>An algebraic approach to Gelfand duality.</i>
16:50-17:40	Marcel Ern�e	<i>Dualities for locally hypercompact, stably hypercompact and hyperspectral spaces</i>

<u>THURSDAY</u>		
09:30-10:30	Ofer Arieli	<i>A tutorial on bilattices</i>
10:30-10:50	- Coffee Break -	
10:50-11:40	Umberto Rivieccio	<i>Implicative twist structures</i>
11:40-12:30	Georges Hansoul	<i>Extending functions to the natural extension</i>
12:30-14:30	- Lunch Break -	
14:30-15:20	Nick Bezhanishvili	<i>Modal compact Hausdorff spaces I *</i>
15:20-16:10	John Harding	<i>Modal compact Hausdorff spaces II *</i>
16:10-16:30	- Coffee Break -	
16:30-17:20	M. Andrew Moshier	<i>Categories of formal contexts **</i>
17:20-18:10	Peter Jipsen	<i>The categorical duality between complete (semi)lattices with operators and contexts with relations **</i>

* Linked talks

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Shorter Contributions:

Wednesday 13:20-13:50 : Sebastian Kerckhoff and Friedrich Martin Schneider: *Banaschewski's duality and cube bundles over compact Hausdorff spaces*
17:50-18:20 : Free Slot

Thursday 08:50-09:20 : Rukiye Cavus: *Dualities induced by canonical extensions*
13:20-13:50 : Hilary Priestley: *Distributive bilattices and their cousins: representations via natural dualities*
13:50-14:20 : Andrew Craig: *Beyond FOUR: representations of non-interlaced bilattices using natural duality*

Social Events:

Tuesday: 17:00-19:00 Welcome Drinks – Mathematical Institute Common Room

Thursday: 18:30-20:30 Reception – Seminar Room 3, St. Anne's College

