

2010 Category Theory Octoberfest

Dalhousie University, Halifax, Canada

October 23–24, 2010

Program

Friday, October 22

5:30 – 8:00:	Welcome reception, 319 Chase Building
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Saturday, October 23

8:30 – 9:00:	Coffee and Breakfast
9:00 – 9:45:	André Joyal (UQAM): <i>The Koszul sign rule in Feynman diagrams</i>
9:45 – 10:15:	Steve Awodey (CMU): <i>Sketch of the homotopy interpretation of intensional type theory</i>
10:20 – 10:40:	Coffee Break
10:40 – 11:10:	Chris Kapulkin (Pittsburgh): <i>Π- and Σ-types in homotopy theoretic models of type theory</i>
11:15 – 11:45:	Peter LeFanu Lumsdaine (Dalhousie): <i>Conservativity principles in dependent type theory: a homotopy-theoretic approach</i>
11:50 – 12:20:	Michael A. Warren (Dalhousie): <i>Combinatorial realizability models of type theory</i>
12:25 – 2:00:	Lunch
2:00 – 2:30:	Jonathan Gallagher (Calgary): <i>Differential Join Restriction Categories</i>
2:35 – 3:05:	Geoff Cruttwell (Calgary): <i>Differential and tangent structure for restriction categories</i>
3:10 – 3:40:	Robin Cockett (Calgary): <i>Integral categories</i>
3:45 – 4:15:	Coffee Break
4:15 – 4:45:	Fred Linton (Wesleyan): <i>How to see the reals as compact Hausdorff space, and why you'd want to</i>
4:50 – 5:20:	Susan Niefield (Union): <i>A Double Category of Topological Spaces</i>
6:30 – :	Dinner at Salty's

Sunday, October 24

8:15 – 8:45:	Coffee and Breakfast
8:45 – 9:15:	Alex Hoffnung (Ottawa): <i>Groupoidification and the Hecke Bicategory</i>
9:20 – 9:50:	Aleks Kissinger (Oxford): <i>Frobenius States and a Graphical Language for Multipartite Entanglement</i>
9:55 – 10:25:	Gábor Lukács (Manitoba): <i>Solving problems in topological groups (and number theory) using category theory</i>
10:30 – 10:45:	Coffee Break
10:45 – 11:15:	Toby Kenney (Dalhousie): <i>Generalised Sup Arrows and the Totally Below Relation</i>
11:20 – 11:50:	Rory Lucyshyn-Wright (York): <i>Totally Distributive Toposes, Continuous Categories, and Injective Toposes</i>
11:55 – 12:25:	Nathan Bowler (Cambridge): <i>Unwirings and exponentiability for multicategories</i>
12:30 – 1:00:	Michael Makkai (McGill): <i>Semi-Strict Omega Categories</i>