

Keynote (35 minutes)	Monday July 6	Tuesday July 7	Wednesday July 8	Thursday July 9	Friday July 10
Regular (20 minutes)					
All times UTC					
Session 1	Chair: David Spivak	Chair: Martha Lewis	Chair: Miriam Backens	Chair: Christina Vasilakopoulou	Chair: Joachim Kock
1100 – 1135 (UTC)	Opening Remarks (20 minutes)	<i>Bryce Clarke, Derek Elkins, Jeremy Gibbons, Fosco Loregian, Bartosz Milewski, Emily Pillmore and Mario Román. Profunctor Optics, a Categorical Update</i>	<i>Lachlan McPheat, Mehrnoosh Sadrzadeh, Hadi Wazni and Gijs Wijnholds. Categorical Vector Space Semantics for Lambek Calculus with a Relevant Modality</i>	<i>Nicolas Blanco and Noam Zeilberger. Bifibrations of Polycategories and Classical Linear Logic</i>	<i>Martha Lewis. Towards logical negation in compositional distributional semantics</i>
1140 – 1200	<i>1125 start: Joachim Kock. Whole-grain Petri nets and processes</i>	<i>Mario Román. Open Diagrams via Coend Calculus</i>	Giovanni de Felice, Alexis Toumi and Bob Coecke. DisCoPy: Monoidal Categories in Python	<i>Christine Tasson and Martin Hyland. The linear-non-linear substitution 2-monad</i>	Bob Coecke, Giovanni de Felice, Konstantinos Meichanetzidis , Alexis Toumi, Stefano Gogioso and Nicolo Chiappori. Quantum Natural Language Processing
1205 – 1210	Break	Break	Break	Break	Break
1210 – 1230	<i>Jules Hedges. Non-compositionality in categorical systems theory</i>	<i>Bryce Clarke. A diagrammatic approach to symmetric lenses</i>	Robert Atkey, Bruno Gavranović, Neil Ghani, Clemens Kupke, Jeremy Ledent and Fredrik Nordvall Forsberg. Compositional Game Theory, Compositionally	<i>Tarmo Uustalu, Niccolò Veltri and Noam Zeilberger. Proof Theory of Partially Normal Skew Monoidal Categories</i>	<i>Giovanni de Felice, Elena Di Lavore, Mario Román and Alexis Toumi. Functorial Language Games for Question Answering</i>
1235 – 1255	Matthew Wilson , James Hefford, Guillaume Boisseau and Vincent Wang . The Safari of Update Structures: Visiting the Lens and Quantum Enclosures	Michael Johnson and Robert Rosebrugh. The more legs the merrier: A new composition for symmetric (multi-)lenses	<i>Jules Hedges and Philipp Zahn. Open games in practice</i>	<i>Paul Wilson and Fabio Zanasi. Reverse Derivative Ascent: A Categorical Approach to Learning Boolean Circuits</i>	Marco Benini, Marco Perin , Alexander Alexander Schenkel and Lukas Woike. Categorification of algebraic quantum field theories
Session 2	Chair: Prakash Panangaden	Chair: Helle Hvid Hansen	Chair: Bob Coecke		Chair: Valeria de Paiva
1600 – 1635	<i>Tobias Fritz, Tomáš Gonda, Paolo Perrone and Eigil Rischel. Distribution functors, second-order stochastic dominance and the Blackwell--Sherman--Stein Theorem in Categorical Probability</i>	<i>Toby St Clere Smithe. Cyber Kittens, or First Steps Towards Categorical Cybernetics</i>	Micah Halter, Evan Patterson, Andrew Baas and James Fairbanks . Compositional Scientific Computing with Catlab and SemanticModels	1600: Community Values	<i>Andre Kornell, Bert Lindenhovius and Michael Mislove. Quantum CPOs</i>
1640 – 1700	<i>Swaraj Dash and Sam Staton. A Monad for Probabilistic Point Processes</i>	<i>Georgios Bakirtzis, Christina Vasilakopoulou and Cody Fleming. Compositional Cyber-Physical Systems Modeling</i>	Industry Showcase		<i>Vladimir Zamdzhiev. Computational Adequacy for Substructural Lambda Calculi</i>
1705 – 1710	Break	Break		Break	Break
1710 – 1730	<i>Callum Reader. Measures and Enriched Categories</i>	<i>Gioele Zardini, David I. Spivak, Andrea Censi and Emilio Frazzoli. A Compositional Sheaf-Theoretic Framework for Event-Based Systems</i>		1715: ACT Business Meeting	<i>Luigi Santocanale. Dualizing Sup-preserving endomaps of a complete lattice</i>
1735 – 1755	<i>Dan Shiebler. Categorical Stochastic Processes and Likelihood</i>	<i>Joseph Razavi and Andrea Schalk. Gandy Machines Made Easy via Category Theory</i>			<i>Richard Statman. Products in a category with only one object</i>
				1830: Compositionality AGM	Zoom Social
Session 3	Chair: Tobias Fritz	Chair: Mike Shulman		Chair: John Baez	
2000 – 2035	<i>Jade Master and John Baez. Open Petri Nets</i>	<i>David Jaz Myers. Double Categories of Open Dynamical Systems</i>	Poster Session	<i>Henry Adams, Johnathan Bush and Joshua Mirth. Operations on Metric Thickenings</i>	
2040 – 2100	<i>Joe Moeller, John Baez and John Foley. Petri nets with catalysts</i>	<i>John Baez and Kenny Courser. Coarse-graining open Markov processes</i>		<i>Brendan Fong, David Jaz Myers and David I. Spivak. Behavioral Mereology: A Modal Logic for Passing Constraints</i>	
2105 – 2110	Break	Break		Break	
2110 – 2130	<i>John Nolan and Spencer Breiner. Symmetric Monoidal Categories with Attributes</i>	<i>David I. Spivak. Poly: An abundant categorical setting for mode-dependent dynamics</i>		<i>Geoffrey Cruttwell, Jonathan Gallagher and Dorette Pronk. Categorical semantics of a simple differential programming language</i>	
2135 – 2155	<i>Dmitry Vagner, David I. Spivak and Evan Patterson. Wiring diagrams as normal forms for computing in symmetric monoidal categories</i>	<i>Daniel Cicala. Rewriting Structured Cospans</i>		<i>Rocco Gangle, Gianluca Caterina and Fernando Tohme. A Generic Figures Reconstruction of Peirce's Existential Graphs (Alpha)</i>	