### Keynote (35 minutes)
#### Monday July 6
Chair: Miriam Backens

#### Tuesday July 7
Chair: David Spivak

Break
Chair: Emily Riehl

#### Wednesday July 8
Chair: Michael Shulman
Chair: Christina Vasilakopoulou
Break
Chair: Emily Riehl

#### Friday July 10
Chair: Christina Vasilakopoulou
Chair: Prakash Panangaden
1715: ACT Business Meeting
Chair: Valeria de Paiva
Break
Chair: Tobias Fritz

### Session 1
#### 1100 – 1135 (UTC)
Opening Remarks (20 minutes)
Bryce Clarke, Derek Elkins, Jeremy Gibbons, Fosco Loregian, Bartosz Milewski, Emily Pilmor and Mario Román. Profunctor Optics, a Categorical Update

#### 1140 – 1200
1125 start: Joachim Kock. Whole-grain Petri nets and processes
Mario Román. Open Diagrams via Coends Calculus

Break

Break

Break

Jules Hedges. Non-compositionality in categorical systems theory
Bryce Clarke. A diagrammatic approach to symmetric lenses

#### 1210 – 1230
Matthew Wilson, James Heford, Guillaume Boisseau and Vincent Wang. The Safari of Update Structures: Visiting the Lens and Quantum Endocurrying

#### 1235 – 1255
Michael Johnson and Robert Rosebrugh. The more legs the merrier: A new composition for symmetric (multi)-lenses
Jules Hedges and Philipp Zahn. Open games in practice

### Session 2
#### 1600 – 1635
Tobias Fritz, Tommi Gonda, Paolo Perrone and Eugi Rischel. Distribution functors, second-order stochastic dominance and the Blackwell–Sherman–Stein Theorem in Categorical Probability

#### 1640 – 1700
Swanj Das and Sam Rattay. A Monoid for Probabilistic Point Processes
Georgios Bakirtzis, Christina Vasilakopoulou and Cody Fleming. Compositional Cyber-Physical Systems Modeling

#### 1710 – 1730
Callum Reader. Measures and Enriched Categories

#### 1735 – 1755
Dan Sheibler. Categorical Stochastic Processes and Likelihood
Joseph Razavi and Andrea Schalk. Gandy Machines Made Easy via Category Theory

### Session 3
#### 2000 – 2035
Jade Master and John Baez. Open Petri Nets
David Jaz Myers. Double Categories of Open Dynamical Systems

#### 2040 – 2100
Joe Moeller, John Baez and John Foley. Petri nets with catalysts
John Baez and Kenny Courser. Coarse-graining open Markov processes

#### 2110 – 2130
John Nolan and Spencer Breiner. Symmetric Monoidal Categories with Attributes

#### 2135 – 2155
Dmitry Vagner, David I. Spivak and Evan Patterson. Wiring diagrams as normal forms for computing in symmetric monoidal categories

Daniel Cicala. Rewriting Structured Cospans

### Session 4
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Tobias Fritz, Tommi Gonda, Paolo Perrone and Eugi Rischel. Distribution functors, second-order stochastic dominance and the Blackwell–Sherman–Stein Theorem in Categorical Probability

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### Poster Session
#### 1930 – 2000
Brendan Fong, David Jaz Myers and David I. Spivak. Behavioral Morphology: A Modal Logic for Passing Constraints

### Zoom Social

### All times UTC