

Workshop on Subfactor Theory, Quantum Field Theory, and Quantum Information
Talks in Jefferson 250 Coffee in Lyman 330 Harvard University

Saturday, October 8, 2016

8:30am Coffee

9:00am Registration

9:20am **Welcome: Arthur Jaffe**

9:30-10:30am **Vaughan Jones**
 "Ways in which subfactors arise in physics"

10:30-11:00am Coffee

11:00-12:00 **Roberto Longo**
 "Kubo-Martin-Schwinger, non-equilibrium thermal states,
 and conformal field theory"
 Paul Martin Memorial Presentation

Lunch in Jefferson 450

2:00-3:00pm **Dimitri Shlyakhtenko**
 "Cohomology of planar algebras"

3:00-3:30pm Coffee

3:30-4:30pm **Nicolai Reshetikhin**
 "Limit shapes in the 6-vertex model"

4:30-5:00pm **Dave Penneys**
 "Enriched quantum symmetry"

5:30pm Social Event in Library,
 Jefferson 450

Sunday, October 9, 2016

9:00-10:00am **Michael Freedman**
 "How to build a topological quantum computer 101"

10:00-10:30am Coffee

10:30-11:30am **Zhengwei Liu,**
 "A new diagrammatic approach to quantum information"

11:30-12:00 **Thomas Vidick**
 "Overlapping qubits"
[GROUP PHOTO](#)

Lunch in Jefferson 450

2:00-3:00pm **Renato Renner**
 "Recovery of lost quantum information"

3:00-3:30pm Coffee

3:30-5:30 Open Problem Session
Jacob Biamonte, Matthias Christandl
Bob Coecke, Giovanni Felder
Yasuyuki Kawahigashi,
Christoph Schweigert, Feng Xu

6:30p Banquet: Changsho Restaurant
 (Ticket required)
 1712 Massachusetts Avenue,
 Cambridge

Monday, October 10, 2016

9:00-10:00am **Tobias Osborne**
 "Tensor networks for quantum field theory"

10:00-10:30am Coffee

10:30-11:00 **Shamil Shakirov**
 "Representations and topological field theory"

11:00-12:00 **Adrian Ocneanu**
 "Aspects of higher representation theory"
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12:00 **Closing: Masahiro Mori**