

# Program

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## Tuesday, 2nd June

18:00 - 19:30 Dinner at MPIPKS cafeteria (main building)  
→ meal ticket to be delivered the next day

## Wednesday, 3rd June

07:30 - 09:30 breakfast

08:00 - 16:30 registration (guest house 4)

09:30 - 11:00 David Huse  
*Review of many body localization (tentative)*

11:00 - 12:30 Dorit Aharonov  
*Review of the quantum PCP problem (tentative)*

12:30 - 14:30 lunch

14:30 - 16:00 Ignacio Cirac  
*Review of real time quantum dynamics and Hamiltonian complexity from the quantum information perspective*

16:00 - 16:45 Shivaji Sondhi  
*The QSAT problem*

16:45 - 17:45 discussion

19:00 **workshop dinner at the restaurant Chiaveri**  
Bernhard-von-Lindenau-Platz 1  
→ close to the Semper Opera, tram stop Theaterplatz (tram lines 4/8/9)  
<http://www.chiaveri.de>

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## Thursday, 4th June

- 07:30 - 09:30 breakfast
- 08:00 - 16:30 registration (guest house 4)
- 09:30 - 11:00 Jens Eisert  
*Hard and easy problems in quantum many-body theory and statistical mechanics*
- 11:00 - 12:30 Barbara Terhal  
*The space-time circuit-to-Hamiltonian construction: What is it good for?*
- 12:30 - 14:30 lunch
- 14:30 - 16:00 Antonello Scardicchio  
*tba*
- 16:00 - 17:30 Aram Harrow  
*Product-state approximations to ground states*
- 18:00 - 19:30 dinner

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