

# Topological Phases Beyond 2D — Schedule

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## Thursday 20 October

- 9h–9h20 Morning coffee
  - 9h20–9h30 Welcome address
  - 9h30–10h20 Sylvain Nascimbene *Realization of an atomic quantum Hall system in four dimensions*
  - 10h20–11h10 Laurent Charles *On Landau levels of magnetic Schrödinger operators on compact manifolds*
  - 11h10–11h50 Coffee break
  - 11h50–12h40 Jean-Marie Stéphan *Edge modes and counting statistics in the 2D and 4D Quantum Hall effects*
  - 12h40–14h20 Lunch break
  - 14h20–15h10 Dimitra Karabali *Aspects of higher dimensional quantum Hall effect: Effective actions, entanglement entropy*
  - 15h10–16h Semyon Klevtsov *Geometric test for topological states of matter*
  - 16h–16h40 Coffee break
  - 16h40–17h30 Tomáš Bzdušek *From hyperbolic drum towards hyperbolic topological matter*
  - 18h–22h Buffet dinner at Zamansky tower
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## Friday 21 October

- 9h–9h30 Morning coffee
- 9h30–10h20 Nathan Goldman *Measuring quantum geometry in the lab: From 2D to higher dimensions*
- 10h20–11h10 Andrei Bernevig *Classification of topological flat bands*
- 11h10–11h50 Coffee break
- 11h50–12h40 Simon Trebst *Topological fracton quantum phase transitions*
- 12h40–14h20 Lunch break
- 14h20–15h10 Andrea Cappelli *Surface excitations of 3D Topological Insulators: Conformal invariance, self-duality and bosonization*
- 15h10–16h Luka Trifunović *Topologically localized insulators*
- 16h–17h Afternoon tea