

# Workshop venue: Old Combination Room (OCR), Trinity College, Cambridge.

## TUESDAY SCHEDULE:

[8:30-9:30 breakfast]

**chair: R.Moessner** (MPIPKS)

9:25-9:30 welcome (C.Castelnovo)

9:30-10:30 **Mathieu Wyart** (EPFL): *Geometry of Landscape in Deep Learning: over-parametrization and training regimes*

10:30-11:00 discussion

11:00-11:30 **coffee break** in the Allhusen room, next door to workshop venue (OCR)

11:30-12:00 **Claudio Chamon** (BU): *Circuit complexity and functionality: a statistical thermodynamics perspective*

12:00-12:20 discussion

12:20 **group photo**

12:30-14:00 **lunch** cafeteria-style buffet in Hall, downstairs from workshop venue (OCR)

**chair: Vedika Khemani** (Stanford)

14:00-14:30 **Chris Laumann** (BU): *Eigenstate phases in complex energy landscapes (I)*

14:30-15:00 **Christopher Baldwin** (MSU): *Eigenstate phases in complex energy landscapes (II)*

15:00-15:30 discussion

15:30-16:00 **coffee break** in the Allhusen room, next door to workshop venue (OCR)

16:00-17:00 **Benedikt Placke** (Oxford): *Memory from Spin Glass Order in good (q)LDPC codes*

17:00-17:30 discussion

17:30-18:00 **Izabella Lovas** (UCSB): *Dynamical mean field theory for quantum many-body systems hosting glassy landscapes*

18:00-18:15 discussion

18:15-19:00 **workshop dinner** cafeteria-style buffet in Hall, downstairs from workshop venue (OCR)

## WEDNESDAY SCHEDULE:

[8:30-9:30 breakfast]

**chair: Austen Lamacraft** (Cambridge)

9:30-10:30 **Silvio Franz** (LPTMS): *The relation between Landscape and Dynamics: the case of mean-field disordered models*

10:30-11:00 discussion

11:00-11:30 **coffee break** in the Allhusen room, next door to workshop venue (OCR)

11:30-12:00 **Simon Trebst** (Cologne): *Nishimori physics — spin glasses, quantum measurements, and non-unitary dynamics*

12:00-12:20 discussion

12:20-14:00 **lunch** cafeteria-style buffet in Hall, downstairs from workshop venue (OCR)

**chair: Claudio Chamon** (BU)

14:00-15:00 **Juan P. Garrahan** (Nottingham): *Real space perspective on slow dynamics*

15:00-15:30 discussion

15:30-16:00 **Itai Arad** (Technion): *The local Hamiltonian problem over quasi-quantum states*

16:00-16:15 discussion

16:15-17:30 **coffee break** and free discussions in the workshop venue (OCR)

[17:30-the end]