

QST+QDC Annual Workshop 2022

When

30 Nov 2022
8:30 – 19:00

Where

Campus Limpertsberg
Room BS 2.01

Organizers

- Aurélia Chenu
- Adolfo del Campo
- Federico Balducci
(federico.balducci@uni.lu)
- Ruth Shir (ruth.shir@uni.lu)

Group websites

- <https://sites.google.com/site/adolfodelcampo/Adolfo-del-Campo>
- <https://chenulab.com>

Participants

QST group

Nicoletta Carabba
Léonce Dupays
Apollonas Matsoukas
Kazutaka Takahashi
Mithun Thudiyangal
Jing Yang

Group leader:
Adolfo del Campo

QDC group

Federico Balducci
Niklas Hörnedal
Aritra Kundu
Pablo Martínez Azcona
Ruth Shir

Group leader:
Aurélia Chenu

Program

8:30–8:45 Opening remarks

8:45–9:30 Ruth Shir
Random matrix spectral statistics and spectrum unfolding
9:30–10:15 Aritra Kundu
Hydrodynamics in integrable systems: case of Toda chain

10:15–10:45 Coffee break

10:45–11:30 Pablo Martínez Azcona
A stochastic interpretation of OTOCs
11:30–12:15 Mithun Thudiyangal
Vortex formation during Bose-Einstein condensation

12:15–13:45 Lunch

13:45–14:30 Federico Balducci
Many reincarnations of shortcuts
14:30–15:15 Kazutaka Takahashi
Shortcuts, Krylov and applications
15:15–16:00 Léonce Dupays
Transitionless driving in the Luttinger liquid model

16:00–16:30 Coffee break

16:30–17:15 Niklas Hörnedal
Most general implementation scheme of non-Hermitian dynamics
17:15–18:00 Adolfo del Campo
TBA
18:00–18:45 Aurélia Chenu
TBA

18:45–19:00 Closing remarks

19:00 Dinner at Piri-Piri restaurant