

Learning from Insulators

New Trends in the Study of Conductivity of Metals

Since participants to the workshop are affected by rather different time zones, the workshop has been split in three parts:

1. pre-recorded **mini courses**, which will be made available before the workshop
2. **core program**, taking place on a time that allows all participants to attend
3. **encore program**, which allows participants from different time zones to actively take part

In all the timetables below, the times are shown with respect to the CET (Europe/Amsterdam) time zone.

Mini courses

The following mini courses (titles are indicative) will be published in advance:

1. *Classical mechanics of magnetic systems* (Andreas Knauf)
2. *Semiclassical methods for electronic transport* (Max Lein)
3. *Algebraic methods for interacting systems* (Sven Bachmann)
4. *Disordered quantum systems* (Christian Sadel)

The aim of the mini courses is to level the knowledge of the participant and provide the necessary background to understand each other's language. Depending on the availability of the speakers these may be in the form of pre-recorded lectures, lecture notes or curated reading lists.

Core program

Additional details, like speakers, titles and abstracts of the talks will be added in the upcoming weeks.

Time	Monday <i>overview</i>	Tuesday <i>non-commutative</i>	Wednesday <i>random</i>	Thursday <i>semiclassical</i>	Friday <i>classical</i>
Review 13:00–13:10	<i>Intro by Lorenz Center</i>	<i>Recap</i>	<i>Recap</i>	<i>Recap</i>	<i>Recap</i>
Panorama talk 13:10–13:40	<i>Intro to the workshop</i>	Emil Prodan	Alex Elgart	Peter Kuchment	Eva Miranda
Q&A 13:40–13:50	Q&A	Q&A	Q&A	Q&A	Q&A
<i>Break</i>					
Expert-level talk 13:55–14:35	Andrei Ya. Maltsev	Jean Bellissard	Jean-Bernard Bru	Martin Vogel	Sonja Hohloch
Q&A 14:35–14:45	Q&A	Q&A	Q&A	Q&A	Q&A
<i>Break</i>					
Discussion panels 14:50–15:20	<i>Discussion</i>	<i>Discussion</i>	<i>Discussion</i>	<i>Discussion</i>	<i>Final discussion and recap</i>

Encore program

Due to the uncertainty on the current situation, the encore program is expected to change and will be finalized only towards the end of spring.

Time	Monday	Tuesday	Wednesday	Thursday	Friday
10:00–10:30		Guo Chuan Thiang	Giovanna Marcelli	Alden Waters	André Belotto
10:30–10:40		Q&A	Q&A	Q&A	Q&A
Break					
10:50–11:40		Discussion in breakout rooms	Discussion in breakout rooms	Discussion in breakout rooms	Discussion in breakout rooms
11:40–12:00		<i>Summary discussion</i>	<i>Summary discussion</i>	<i>Summary discussion</i>	<i>Summary discussion</i>
12:00–13:00		Lunch	Lunch	Lunch	Lunch
13:00–15:20	Core Program				
Break					<i>Continuation of the final discussion and recap</i>
15:50–16:20	Francesca Arici	Bruno Nachtergaele	Simone Warzel	Gihyun Lee	
16:20–16:30	Q&A	Q&A	Q&A	Q&A	
Break					
16:40–17:30	Discussion in breakout rooms	Discussion in breakout rooms	Discussion in breakout rooms	Discussion in breakout rooms	
17:30–18:00	<i>Summary discussion</i>	<i>Summary discussion</i>	<i>Summary discussion</i>	<i>Summary discussion</i>	