

# Topology and Geometry

## 855th WE. Heraeus Seminar

March, 29th to  
April, 2nd Hamburg,  
Hamburg Germany

### Sunday, March, 29th<sup>th</sup>

12:00 Registration in PierDREI Hotel Lobby	15:15 Meet in PierDREI Hotel Lobby	15:30 Walk to “Flusi,” Hamburg’s “floating church”	16:00 Opening Talk by Jörg Schmalian	17:00 Pick Up by Barge <b>17: 30 Uhr</b> Departure	19:00 Arrive to Övelgönne Wharf & Hoppe’s Restaurant	21:00 End of dinner, return to PierDREI via public transportation	
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Time	Monday, March 30th	Tuesday, March 31st	Wednesday, April 1st	Thursday, April 2nd
08:00	Breakfast in PierDREI Hotel - Talks at Event Space: Digital Hub			
09:00	Talk – Xavier Roy	Talk – Marco Polini	Talk – Binhai Yan	Talk – Piet Brouwer
10:00	Talk – Lilia Xie	Talk – Jennifer Coulter	Talk	Talk – Felix von Oppen
11:00	Poster Session	Poster Session	Poster Session	Talk - Yaojia Wang
12:30	Lunch Served in Event Space: Digital Hub			
13:00				
14:00	Talk – Raquel Queiroz	Talk – Nishchhal Verma	Talk-Chunyu Guo	Departure
15:00	Talk – QuanSheng Wu	Talk – Johannes Hofman	Poster Session	
16:00	Coffee Break & leaving for Max Plank Institutue	Coffee Break	Coffee Break	
17:00	Welcome to Max Planck Institute	Discussion Session	Discussion Session	
18:30	Dinner at Institute & Return to Hotel	Dinner (free for you to plan)	Heraeus Conference Dinner on Rickmer Rickmer’s ship	



MAX PLANCK INSTITUTE  
FOR THE STRUCTURE AND DYNAMICS OF MATTER



WILHELM UND ELSE  
HERAEUS-STIFTUNG



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## List of Talk Titles

### Monday, March 30th

Xavier Roy: (2D materials, CeSil, Pd5Al12)  
Lilia Xie: intercalated TMDs, magnetic topological materials  
Raquel Queiroz: from chemistry to transport and correlations  
QuanSheng Wu: type-II Weyl, WannierTools, DFT

### Tuesday, March 31st

Marco Polini: viscous electron flow, current whirlpools  
Jennifer Coulter: first-principles Boltzmann, WP2s Ion Errea: Phonon Collapse and the CDW  
Nishchhal Verma: plasmons in graphene, quantum geometric contributions  
Johannes Hofmann: Fermi liquids, nonlinear probes

### Wednesday, April 1st

Binhai Yan: Weyl semimetals, nonlinear optics  
Chunyu Guo: CsV3Sb5 microstructure, chiral transport

### Thursday, April 2nd

Piet Brouwer: mesoscopic transport, disorder  
Felix von Oppen: Majorana, Josephson junctions  
Yaojia Wang: Josephson diode, SC probes of topology

## Important Addresses in Hamburg

**PierDREI Hotel:** Am Sandtorkai 46, 20457 Hamburg

**Digital Hub / Event Space:** Workshop Rooms in 4th Floor & Krähennest Event Location in 5th Floor:  
Am Sandtorkai 32, 20457 Hamburg

**Flussschifferkirche:** Hohe Brücke 2, 20459 Hamburg

**Hoppe's Restaurant:** Övelgönne 6, 22605 Hamburg

**Rickmer Rickmer's Historic Sailing Ship:** Located nearby St. Pauli-Landungsbrücken 1a, 20459 Hamburg



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