

# Topology and Geometry 855th WE. Heraeus Seminar

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

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

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



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## List of Talk Titles

### Monday, March 30th

Binghai Yan: Weyl semimetals, nonlinear optics  
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  
Nishchal Verma: plasmons in graphene, quantum geometric contributions  
Johannes Hofmann: Fermi liquids, nonlinear probes

### Wednesday, April 1st

Xavier Roy: (2D materials, CeSi, Pd<sub>5</sub>AlI<sub>2</sub>)  
Chunyu Guo: CsV<sub>3</sub>Sb<sub>5</sub> 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 & Krähenest 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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