<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Affiliation</th>
<th>Title</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Roland Kawakami</td>
<td>Ohio State University</td>
<td>Optical, Electrical, and Magnetic Control of Spins in Graphene</td>
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<tr>
<td>09:45</td>
<td>Tatiana Rappoport</td>
<td>Federal University of Rio de Janeiro</td>
<td>Electronic properties of Bismuthene</td>
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<td>10:30</td>
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<td>Coffee break</td>
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<td>11:15</td>
<td>Zhe Wang</td>
<td>Université de Genève</td>
<td>Very Large Tunneling Magnetoresistance in Layered Magnetic Semiconductor CrI₃</td>
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<tr>
<td>12:00</td>
<td>Di Xiao</td>
<td>Carnegie Mellon University, Pittsburgh</td>
<td>Electronic properties of Excitons in Gapped Chiral Fermion Systems</td>
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<td>12:45</td>
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<td>Closing Remarks</td>
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<td>13:00</td>
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<td>End of the workshop</td>
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**International RTG 1570 and SFB 1277 Workshop**

**Dirac Fermions and Relativistic Effects in 2D Materials**

Thon-Dittmer-Palais, Regensburg, Germany
19.09.- 21.09.2018

**Scientific Committee:**

- **John Schliemann**
  john.schliemann@ur.de

- **Jonathan Eroms**
  jonathan.eroms@ur.de

- **Tobias Korn**
  tobias.korn@ur.de

**Wlan:**

Network: Stadt Regensburg
User name: regensburg09
Password: 433036
Program: September 19 (Wednesday)

08:45  Opening of the workshop

09:00  Paulina Plochocka (French National Centre for Scientific Research)  
Excitons in MoS$_2$/MoSe$_2$/MoS$_2$ trilayer transition metal dichalcogenides

09:45  Ermin Malic (Chalmers University, Göteborg)  
Dark exciton dynamics in atomically thin 2D materials

10:30  Coffee break

10:55  Nicola Paradiso (University of Regensburg)  
Emergence of dissipation in superconducting few-layer NbSe$_2$: the role of vortices and phase slip lines

11:15  Yijin Zhang (Max Planck Institute for Solid State Research, Stuttgart)  
Effects of crystal symmetry on optical responses in transition metal dichalcogenide nanostructures

12:00-14:00  Lunch

14:00  Ming-Hao Liu (National Cheng Kung University, Tainan, Taiwan)  
Ballistic transport in graphene: A numerical aspect

14:45  Jurgen Smet (Max Planck Institute for Solid State Research, Stuttgart)  
Unexpected even-denominator fractional quantum Hall states in higher order graphene Landau levels

15:30  Coffee break

15:55  Tobias Frank (University of Regensburg)  
Spin-orbit coupling proximity effects in mono- and bilayer graphene

16:15  Igor Gornyi (Karlsruhe Institute of Technology)  
Resonant supercollisions and electron-phonon heat transfer in graphene

17:00-19:00  Poster session

Program: September 20 (Thursday)

09:00  Peter Rickhaus (ETH Zürich)  
Topological states and ballistic transport in graphene systems

09:45  Tobias Stauber (Instituto de Ciencia de Materiales de Madrid)  
Response in Dirac systems with twist and interaction

10:30  Coffee break

10:55  Robin Huber (University of Regensburg)  
Tunable 2D superlattices in graphene

11:15  Cory Dean (Columbia University, New York)  
Correlated phases in graphene double layers

12:00-14:00  Lunch

14:00  Janina Maultzsch (University of Erlangen)  
Interlayer excitons in TMDC heterostructures

14:45  Alexander Steinhoff (University of Bremen)  
Microscopic theory of ultrafast carrier dynamics and exciton ionization in atomically thin transition metal dichalcogenide semiconductors

15:30  Coffee break

16:15  Christoph Stampfer (RWTH Aachen)  
Spin states in gate-controlled bilayer graphene quantum point contacts and quantum dots

17:00  End

20:00  Dinner at Restaurant Leerer Beutel  
Bertoldstraße 9, 93047 Regensburg