

**12<sup>th</sup> Annual Retreat of the SFB/TR 49, Michel Hotel Frankfurt Maintal,  
September 20 – 21, 2018**

**Programme**

**Thursday, September 20, 2018**

<b>1. Charge-Transfer Salts</b>		
10:00 (5)	Michael Lang	<i>Welcome</i>
10:05 (13+7)	N.N. (B2)	<i>Title</i>
10:25 (13+7)	Steffi Hartmann (B6)	<i>Title</i>
10:45 (13+7)	N.N. (B8)	<i>Title</i>
11:05 (25)	<b>Coffee Break</b>	
11:30 (13+7)	Michael Huth (B9)	<i>Charge tunneling and magnetic coupling effects in the organic ferroelectric TTF-QCl<sub>4</sub></i>
11:50 (13+7)	Tatjana Thomas (B11)	<i>Low-frequency electron dynamics of organic charge-transfer salts studied by fluctuation spectroscopy</i>
12:10 (13+7)	Hans-Joachim Elmers (B12)	<i>Microscopic study of charge transfer states in the novel "SFB TR49" system DTBBDT-TCNQ in three- and two-dimensional crystals</i>
12:30 (60)	<b>Lunch</b>	

<b>2. Quantum Spin Systems</b>		
13:30 (13+7)	Ulrich Tutsch (B1)	<i>Title</i>
13:50 (13+7)	N.N. (B3)	<i>Title</i>
14:10 (13+7)	Cornelius Krellner (B4)	<i>Kagome quantum spin systems in the atacamite family</i>
14:30 (13+7)	Kubandiran Kolanji (B5)	<i>Title</i>
14:50 (13+7)	N.N. (B13)	<i>Title</i>
15:10 (10)	<b>Break</b>	

15:20 (40)	<b>Poster Flash Presentations</b>	
16:00 (30)	<b>Coffee Break</b>	
16:30 (90)	<b>Mentoring (1+2)</b>	
18:00 (15)	<b>Break</b>	

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18:15 (75)	<b>Mitgliederversammlung</b>
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19:30 (45)	<b>Dinner</b>
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20:15	<b>Poster Session &amp; Mentoring (3)</b>
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**Friday, September 21, 2018**

until 09:00	<b>Breakfast</b>
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<b>3. Magnon Gases</b>
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09:00 (13+7)	Burkard Hillebrands (A7)	<i>Spin transport by condensed magnons and spontaneously accumulated magneto-elastic quasiparticles</i>
09:20 (13+7)	Peter Kopietz (A8)	<i>Exact renormalization group for quantum spin systems</i>

<b>4. Ultracold Gases &amp; Cold Ion Crystals</b>
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09:40 (13+7)	Walter Hofstetter (A3)	<i>Inhomogeneous quantum phases and dynamics in ultracold gases and hybrid atom-ion systems</i>
10:00 (13+7)	Michael Fleischhauer (A5)	<i>Dynamics of Bose polarons at finite temperature</i>
10:20 (30)	<b>Coffee Break</b>	
10:50 (13+7)	Herwig Ott (A9)	<i>Coherent perfect absorption of nonlinear matter waves</i>
11:10 (13+7)	N.N. (A10)	<i>Title</i>
11:30 (13+7)	Artur Widera (A12)	<i>Quantum spin dynamics of individual impurities in an ultracold gas</i>
11:50 (5)	Michael Lang	<i>Concluding remarks</i>
11:55 (65)	<b>Lunch</b>	