

Programme of the workshop on topology and dynamics in non-Hermitian systems

Beijing Computational Science Research Center, Dec. 13-16, 2019

Dec. 13, 2019	
<b>14:00-17:30</b>	Registration
Dec. 14, 2019	
<b>8:30-9:00</b>	Registration
<b>9:00-9:10</b>	Opening
Morning Session	
<b>9:10-10:10</b>	<i>TBA</i> 龙桂鲁 (清华大学)
<i>10:10-10:40</i>	<i>Photo/coffee break</i>
<b>10:40-11:40</b>	<i>Higher-order topological phases in Hermitian and non-Hermitian systems</i> 张向东 (北京理工大学)
<b>11:40-12:40</b>	<i>Explore topology of ultracold quantum gases by quench dynamics</i> 陈帅 (中国科学技术大学)
<i>12:40-14:00</i>	<i>Lunch break</i>
Afternoon Session	
<b>14:00-15:00</b>	<i>Correspondence between winding numbers and skin modes in non-Hermitian systems</i> 方辰 (中科院物理所)
<b>15:00-16:00</b>	<i>The Kibble-Zurek scaling at exceptional points</i> Balazs Dora (Budapest University of Technology and Economics)
<i>16:00-16:30</i>	<i>Coffee break</i>
<b>16:30-17:30</b>	<i>Symmetry and topology in Non-Hermitian physics</i> Kohei Kawabata (University of Tokyo)
<b>17:30-18:30</b>	Poster
<i>18:30</i>	<i>Dinner</i>

Dec. 15, 2019	
<b>Morning Session</b>	
<b>9:00-10:00</b>	<i>Non-Hermitian skin effect and non-Bloch band theory: Topology and dynamics</i> 汪忠 (清华大学)
<i>10:00-10:30</i>	<i>Coffee break</i>
<b>10:30-11:30</b>	<i>Floquet dynamics in Hermitian and non-Hermitian system</i> 翟荟 (清华大学)
<b>11:30-12:30</b>	<i>Interaction effects on PT-symmetry breaking transition in atomic gases</i> 俞振华 (中山大学)
<i>12:30-14:00</i>	<i>Lunch break</i>
<b>Afternoon Session</b>	
<b>14:00-15:00</b>	<i>Non-Hermitian bulk-boundary correspondence in discrete-time quantum-walk dynamics</i> 易为 (中国科学技术大学)
<b>15:00-16:00</b>	<i>Quantum dynamics and experimental relevance in Mott insulators</i> 陈钢 (香港大学)
<i>16:00-16:30</i>	<i>Coffee break</i>
<b>16:30-17:30</b>	<i>Weyl exceptional rings and topological Non-Hermitian quasicrystals</i> 徐勇 (清华大学)
<b>17:30-18:30</b>	Poster
<i>18:30</i>	<i>Dinner</i>

Dec. 16, 2019	
<b>Morning Session</b>	
<b>9:00-10:00</b>	<i>Reflecting on pseudo-Hermitian quantum theory, and its analog in topologic photonics</i> 李瑞光 (国立清华大学)
<i>10:00-10:30</i>	<i>Coffee break</i>
<b>10:30-11:30</b>	<i>The effect of Non-Hermitian perturbations on topological systems</i> 寇谏鹏 (北京师范大学)
<b>11:30-12:30</b>	<i>Topology in photonic quantum walks</i> 薛鹏 (北京计算科学研究中心)
<i>11:30-14:00</i>	<i>Lunch break</i>
<b>Afternoon Session</b>	
<b>14:00-15:00</b>	<i>Non-Hermitian linear response theory</i> 陈宇 (首都师范大学)
<b>15:00-16:00</b>	<i>Non-Hermitian topological phases in photonics</i> 金亮 (南开大学)
<i>16:00-16:30</i>	<i>Coffee break</i>
<b>16:30-17:30</b>	<i>Topological phenomena in parity-time-symmetric quench dynamics</i> 王坤坤 (北京计算科学研究中心)
<b>Closing</b>	