

$|\Psi\rangle_{QIS} \otimes |\text{CoQuS}\rangle$ 2018

YQIS Conference and CoQuS Summer School 2018

17th-21st September

| | Monday | Tuesday | Wednesday | Thursday | Friday | |
|-------------------------------|---|--|---------------------------------------|-------------------------------------|---------------------------------|---------|
| | 8:00 start of Registration 8:45 Opening | | | | | |
| 9:00-9:30 | E. Kashefi Lecture 1 | M. Bourennane Lecture 1 | R. Silva Lecture 1 | R. Silva Lecture 3 | M. Bourennane Lecture 3 | |
| 9:30-10:00 | | | | | Talk 22 A. Smith | |
| 10:00-10:30 | | | | | | |
| 10:30-11:00 | Coffee Break | | | | | |
| 11:00-11:30 | Talk 1 N. Sakharwade | Talk 5 T. Krivachy | Talk 11 L. Caha | Talk 17 A. Aloy | Talk 23 L. Magrini | |
| 11:30-12:00 | Talk 2 F. del Santo | Talk 6 A. Tavakoli | Talk 12 M. Karczewski | Talk 18 H. Dreyer | Talk 24 P. Contreras Tejada | |
| 12:00-12:30 | Lunch Break | Talk 7 P. Boes | Talk 13 D. de Santis | Talk 19 J. Wallnoefer | Talk 25 V. Saggio & A. Dimic | |
| 12:30-13:00 | | Lunch Break | | | | Closing |
| 13:00-13:30 | | | | | | |
| 13:30-14:00 | E. Kashefi Lecture 2 | Invited Speaker's Talk G. Rempe | Invited Speaker's Talk M. Giustina | Invited Speaker's Talk S. Wehner | | |
| 14:00-14:30 | | | | | | |
| 14:30-15:00 | | | | | | |
| 15:00-15:30 | Talk 3 V. Venkatesh | Talk 8 M. Kesselring | Talk 14 M. Mehboudi | Talk 20 G. Eftaxias | | |
| 15:30-16:00 | Talk 4 S. Neumann | Talk 9 N. Nurgalieva | Talk 15 Y. Meng | Talk 21 Z. Lasmar | | |
| 16:00-16:30 | Coffee Break | | | | | |
| 16:30-17:00 | Poster Session | Talk 10 M.O. Pleinert | Talk 16 E. Baeumer | M. Bourennane Lecture 2 | | |
| 17:00-17:30 | | Invited Speaker's Talk M. Pawlowski | R. Silva Lecture 2 | | | |
| 17:30-18:00 | | | | | | |
| 18:00-18:30 | | | | Refreshments | | |
| 18:30-19:00 | Welcome Reception | Social Event | Conference Dinner | Public Talk R. de Wolf | | |
| 19:00-19:30 | | | | | | |
| 19:30-20:00 | | | | | | |
| 20:00-20:30 | | | | | | |
| 20:30-21:00 | | | | | | |
| 21:00-21:30 | | | | | | |
| 21:30-22:00 | | | | | | |
| Lectures | | | | | | |
| | Elham Kashefi: | <i>Verification of quantum computation</i> | | | | |
| | Mohamed Bourennane: | <i>Entanglement Detection and Applications</i> | | | | |
| | Ralph Silva: | <i>Quantum thermodynamics</i> | | | | |
| Invited Speakers Talks | | | | | | |
| | Gerhard Rempe: | <i>Quantum networking for youngsters</i> | | | | |
| | Marcin Pawlowski: | <i>Mutually Unbiased Bases, Random Access Codes and Semi-Definite Programming</i> | | | | |
| | Marissa Giustina: | <i>Hardware challenges to a large-scale quantum computer based on superconducting qubits</i> | | | | |
| | Stephanie Wehner: | TBA | | | | |
| Public Talk | | | | | | |
| | Ronald de Wolf: | <i>The Potential Impact of Quantum Computers on Society</i> | | | | |
| | *Note that the program on the Friday afternoon ends early in order to give you the opportunity to join the Ultrafast Optics Symposium at the TU from 13:30 onward. Registration is needed via: sekretariat+e387@tuwien.ac.at | | | | | |