

Program

	Monday	Tuesday	Wednesday	Thursday	Friday
09:00-09:45	Registration & Opening	Invited 01	27 (Chubb)	Invited 02	28 (Ramakrishnan)
09:45-10:30	02 (Song)	19 (Rouze)	03 (Yoshida)	06 (Leditzky)	01(Hayashi)
10:30-11:00		Morning		Break	
11:00-11:45	07 (Wang)	13 (Takagi)	05 (Arai)	11 (Yamasaki)	08 (Arnon-Friedman)
11:45-12:30	09 (Hirche)	16 (Vijayan)	21 (Woods)	12 (Borderi)	22 (Bancal)
12:30-14:00		Lunch		Lunch	End of The Program
14:00-14:45	10 (Wakakuwa)	17 (Gilchrist&McMahon)	Free	14 (Hanson)	
14:45-15:30	23&24 (Cheng)	18 (Streltsov)	Afternoon	15 (Bai)	
15:30-16:00		Afternoon		Break	
16:00-16:45	26 (Mosonyi)	20 (Jabbour)		25 (Cheng)	
16:45-17:30					

Presenters

<p>Invited 01 Christina Giarmatzi Title: Witnessing quantum memory in non-Markovian processes</p>	<p>Invited 02 Kavan Modi Title: TBD</p>
<p>01 Masahito Hayashi Title: Verification of Graph state, Hypergraph state, and Weighted graph state</p>	<p>06 Felix Leditzky Title: Quantum Codes from Neural Networks</p>
<p>02 Seunghoan Song Title: Capacity of Quantum Private Information Retrieval with Multiple Servers</p>	<p>07 Ligong Wang Title: Covert Communication in Continuous Time: Gaussian and Poisson Channels</p>
<p>03 Yuuya Yoshida Title: Asymptotic Properties for Quantum Dynamics</p>	<p>08 Rotem Arnon-Friedman Title: Device-independent certification of entanglement measures</p>
<p>04 (Cancelled) Kun Wang Title: Optimal Verification of Two-Qubit Pure States</p>	<p>09 Christoph Hirche Title: The Quantum Information Bottleneck: Properties and Applications</p>
<p>05 Hayato Arai Title: Perfect Discrimination of Non-Orthogonal Separable Pure States on Bipartite System in General Probabilistic Theory</p>	<p>10 Eyuri Wakakuwa Title: One-Shot Randomized and Nonrandomized Partial Decoupling</p>

Beyond iid Presenters

<p>12 Francesco Borderi Title: Semidefinite programming hierarchies for quantum error correction</p>	<p>21 Mischa Woods Title: Continuous groups of transversal gates for quantum error correcting codes from finite clock reference frames</p>
<p>13 Ryuji Takagi Title: General resource theories in quantum mechanics and beyond: operational characterization via discrimination tasks</p>	<p>22 Jean-Daniel Bancal Title: A non-IID confidence interval for Bell experiments</p>
<p>14 Eric P. Hanson Title: On entanglement breaking times for quantum Markovian evolutions and the PPT2 conjecture</p>	<p>23 Hao-Chung Cheng Title: Strong converse bounds in quantum network information theory: distributed hypothesis testing and source coding</p>
<p>15 Ge Bai Title: Compression Protocols for Tensor Network States</p>	<p>24 Hao-Chung Cheng Title: Strong Converse for Classical-Quantum Degraded Broadcast Channels</p>
<p>16 Madhav K. Vijayan Title: One-shot concentration of resource in a general resource theory</p>	<p>25 Hao-Chung Cheng Title: Properties of Scaled Noncommutative Renyi and Augustin Information</p>
<p>17 Alexei Gilchrist & Nathan McMahon Title: A Resource Theory of Quantum Measurements</p>	<p>26 Milan Mosonyi Title: Divergence radii and the strong converse exponent of classical-quantum channel coding with constant compositions</p>
<p>18 Alexander Streltsov Title: Quantum coherence and state conversion: theory and experiment</p>	<p>27 Christopher T. Chubb Title: Resonances in finite-resource interconversion</p>
<p>19 Cambyse Rouzé Title: Group transference techniques for the estimation of decoherence times and capacities of quantum Markov semigroups.</p>	<p>28 Navneeth Ramakrishnan Title: non-commutative blahut-arimoto algorithms</p>
<p>20 Michael G. Jabbour Title: Resource theory of local Gaussian work extraction for multimode bosonic systems</p>	

BEYOND IID 2019
University of Technology, Sydney
Ultimo, Australia
1st July – 5th July 2019

