



AI for Science Thematic Workshop on Physics and Complexity Science

Defining the emergent roles of AI
in physics and complexity science
in Singapore

Fri 05 April 2024 | 8.30am - 1.00pm
CREATE Theatre/ Seminar Room

0830 - 0845	Registration (light breakfast will be available)
0845 - 0900	Opening Remarks by the <i>AI for Science</i> team – Profs. Yang Zhang and Kedar Hippalgaonkar
0900 - 0910	Introduction to Thematic Workshop – Profs. Duane Loh and Chew Lock Yue
0910 - 1000	Short talks (by domain experts) on the challenges and opportunities in: - many-body physics (Dario Poletti) - computational materials (Shen Lei), - quantum machine learning (Kishor Bharti), - complex networks (Feng Ling), - quantum optics (Timothy CH Liew).
1000 - 1100	Breakout Group Discussions: Defining the <i>AI for Physics/Complexity Science</i> challenge
1100 - 1120	Tea/Coffee Break
1120 - 1220	Sharing by breakout groups
1220 - 1250	Discussion led by Dr. Marvin Lee (SNDE, NRF) and data and/or applied AI.
1250 - 1300	Executive Summary by Profs. Duane Loh and Chew Lock Yue
1300 - 1400	Networking Lunch

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