



AI for Science Thematic Workshop on Materials Science and Chemistry

8 May 2024 | 8.00am-1.00pm

CREATE Seminar Room (Level 2)

Registration:

<https://go.gov.sg/ai4materialsworkshop>

A collaborative workshop for researchers to brainstorm and define the potential transformative ability of AI in materials science and chemistry

0800 - 0830	Registration, Coffee/Tea & Light Breakfast
0830 - 0835	Opening Remarks by the <i>AI for Science</i> team – Profs. Yang Zhang and Kedar Hippalgaonkar
0835 - 0915	Short talks by domain experts on challenges and opportunities in: <ol style="list-style-type: none"> 1. Functional Chemistry (Prof. Liu Bin, NUS) 2. Intelligent Functional Materials (Prof. Kostya Novoselov, NUS) 3. Soft Materials and Devices (Prof. Chen Xiaodong, NTU) 4. Two-Dimensional Materials (Prof. Liu Zheng, NTU)
0915 - 0945	Speaker panel discussion
0945 - 1000	Tea / Coffee Break
1000 – 1030	Short talks by domain experts on challenges and opportunities in: <ol style="list-style-type: none"> 5. Solid-State Materials-by-Design (Prof. Kedar Hippalgaonkar, NTU) 6. Computational Materials (Dr. Tan Teck Leong, IHPC) 7. Foundation Model for Materials (Prof. Andrey Ustyuzhanin, NUS)
1030 - 1100	Speaker panel discussion
1100 - 1145	Breakout discussions: Challenges in materials science and chemistry to be addressed with AI
1145 - 1230	Sharing by breakout groups and networking lunch
1230 - 1300	Executive summary led by Profs. Kostya Novoselov and Kedar Hippalgaonkar

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