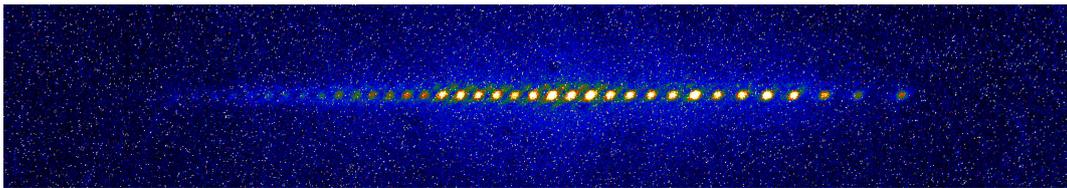


Session Program

20-22 Apr 2026



Asian Conference on Trapped Ions 2026

Talks

Shaw Foundation Alumni House
11 Kent Ridge Dr, #01-02, Singapore 119244

Monday 20 April

09:00

Talks: Prof Winfried Hensinger (University of Sussex)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

09:00–09:30 **Prof Winfried Hensinger (University of Sussex)**

09:30

09:30

Talks: Prof Takashi Mukaiyama (Institute of Science Tokyo)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

09:30–10:00

Matter-Wave Interferometer of a Trapped Single Ion for a Quantum Sensing Application

10:00

10:30

Talks: Prof Kihwan Kim (Tsinghua University)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

10:30–11:00 **Beyond-Ten-Hour Coherence in a Decoherence-Free Clock Qubit**

11:00

11:00

Talks: Prof Umakant Rapol (IISER Pune)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

11:00–11:30 **Prof Umakant Rapol (IISER Pune)**

11:30

11:30

Talks: Prof Moonjoo Lee (Pohang University of Science and Technology (POSTECH))

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

11:30–12:00

Prof Moonjoo Lee (Pohang University of Science and Technology (POSTECH))

12:00

14:00

Talks: Prof Taeyoung Choi (Ewha Womans University)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

14:00–14:30

Scalable and High-Fidelity Quantum Entanglement in Trapped-Ion Systems

14:30

14:30

Talks: Prof Atsushi Noguchi (The University of Tokyo & RIKEN)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

14:30–15:00 **Superconducting ion traps**

15:00

15:00

Talks: Dr Cameron McGarry (University of Sydney)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

15:30

Tuesday 21 April

09:00

Talks: Prof Klaus Blaum (Max Planck Institute)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

09:00–09:30

Precision at the Extremes: Exploring the Standard Model with Trapped Exotic Ions

09:30

09:30

Talks: Prof Kenji Toyoda (Osaka University)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

09:30–10:00

Coherence of local-phonon hopping in a trapped-ion string

10:00

10:30

Talks: Prof Sadiq Rangwala (Raman Research Institute)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

10:30–11:00

Prof Sadiq Rangwala (Raman Research Institute)

11:00

11:00

Talks: Dr Piyaphat Phoonthong (National Institute of Metrology (Thailand))

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

11:00–11:30

Dr Piyaphat Phoonthong (National Institute of Metrology (Thailand))

11:30

11:30

Talks: Prof Subhasis Panja (CSIR-National Physical laboratory)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

11:30–12:00

Ytterbium ion based Optical Clock: Possible way for Redefining SI Second

12:00

14:00

Talks: Dr Kyle Arnold (Centre for Quantum Technologies, NUS)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

14:00–14:30

Validating $^{176}\text{Lu}^+$ Optical Frequency References at the 10-19 level

14:30

14:30

Talks: Dr Yong Wan (University of Science and Technology of China)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

14:30–15:00

Dr Yong Wan (University of Science and Technology of China)

15:00

15:00

Talks: Dr Sourav Dutta (Tata Institute of Fundamental Research (TIFR))

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

15:00–15:30

Hour-scale lifetime and non-equilibrium steady state of trapped ions in an ultracold atom-ion hybrid trap

15:30

Wednesday 22 April

09:00

Talks: Prof Taehyun Kim (Seoul National University)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

09:00–09:30 **Prof Taehyun Kim (Seoul National University)**

09:30

09:30

Talks: Prof Junki Kim (Sungkyunkwan University)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

09:30–10:00 **Architecting Scalable Quantum Computers with Ion Shuttling**

10:00

10:30

Talks: Prof Manoj Joshi

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

10:30–11:00 **Prof Manoj Joshi**

11:00

11:00

Talks: Dr Pei Jiang Low (Centre for Quantum Technologies, NUS)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

11:00–11:30 **Dr Pei Jiang Low (Centre for Quantum Technologies, NUS)**

11:30

11:30

Talks: Nigel Lee (Centre for Quantum Technologies, NUS)

Session | **Location:** Shaw Foundation Alumni House, 11 Kent Ridge Dr, #01-02, Singapore 119244

11:30–12:00 **Nigel Lee (Centre for Quantum Technologies, NUS)**

12:00