INSTITUTE OF ADVANCED STUDIES

NANYANG TECHNOLOGICAL UNIVERSITY

Catalyse high-impact research | Transcend disciplinary boundaries | Expand knowledge & education frontiers

FEATURED ARTICLES

Spotting the Aftermath of the Milky Way Galaxy's Violent Past



The 2026 Kavli Prize in Astrophysics honours Professors Vasily Belokurov, Amina Helmi and Rodrigo Ibata for uncovering evidence of the Milky Way's violent merger history. By analyzing stellar data from major astronomical surveys, they revealed how smaller galaxies shaped the Milky Way, signficantly advancing our understanding of galactic formatiion and evolution.

Read more

12th International Conference on Coherent Multidimensional Spectroscopy



The conference brought together researchers from around the world to explore the latest developments and applications of multidimensional optics and ultrafast optical spectroscopy. It also celebrated outstanding research through NTU IAS-sponsored poster awards and fostered international collaborations that will advance this exciting field.

Read more

EVENT HIGHLIGHTS

IAS Frontiers Seminars: Quantum Horizons

Magnetic Switching and Quantum Photocurrents in Antiferromagnets



Unlocking new possibilities in quantum science, Prof Liang Wu (University of Pennsylvania) explored how innovative optical techniques can reveal and control magnetism in 2D materials. His research provided new insights into magnetic phenomena, paving the way for advances in next-generation electronic technologies.

Read more

Charge Density Wave Orders in Rhombohedral Graphene



What happens when electrons behave in extraordinary ways? Prof Leo Jia Li (University of Texas at Austin) shared fascinating discoveries in multilayer graphene, uncovering unusual electronic phenomena and opening new avenues for understanding quantum materials and the mechanism underlying superconductivity.

Read more

IAS-Graduate College-SPMS Distinguished Speaker Seminar

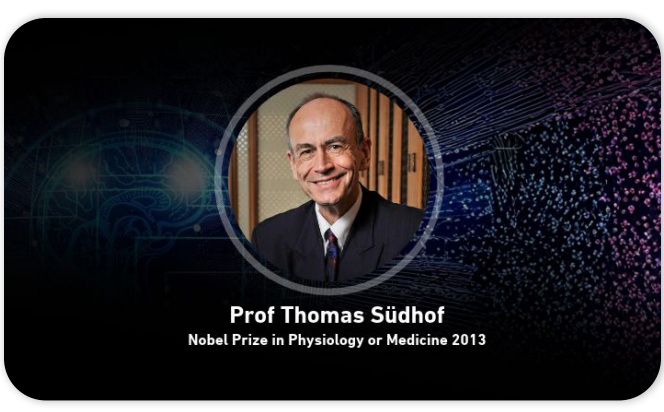
Agentic Scientific Machine Learning



Can AI systems work together like a team of scientists to solve complex challenges? Prof George Karniadakis (Brown University) explored how intelligent AI agents can collaborate, learn autonomously and solve complex problems. He introduced innovative AI frameworks that open exciting possibilities for accelerating scientific discovery and addressing real-world challenges.

Read more

UPCOMING EVENTS



IAS@NTU Lee Kong Chian Distinguished Professor Public Lecture

30 October 2026, North Spine LT12A, 3.30pm

"Towards Understanding the Molecular Logic of Synaptic Connections"

Register now



CCDS Distinguished Speaker and IAS Lee Kong Chian Distinguished Professor Public Lecture

3 November 2026, Nanyang Auditorium, 2.30pm

"World Models: Enabling the Next AI Revolution"

Register now



International Conference on AI in Medicine

3 - 5 December 2026, Lee Kong Chian School of Medicine, Novena Campus

Register now

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Visit IAS website **here** for more information.

For enquiries, email us at **iasevents@ntu.edu.sg**

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