

Division of Science Annual Research Conference 2026 Agenda

January 23, 2026 | 9am-5pm | C2, East Forum

9:30-9:45am	Welcome Remarks and Introduction
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SESSION ONE

9:45-10:05am	Hazem Ibrahim TikTok's recommendations skewed toward oppositional and Republican-aligned content during the 2024 U.S. elections
10:05-10:25am	Stefanos Georgiadis How a cup of coffee hides one of math's greatest mysteries
10:25-10:45am	Sergey Nikiforov Physics-Informed Machine Learning of Martian Auroral Processes Driven by Solar Wind Interactions

10:45-11:00am	Break
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SESSION TWO

11:00-11:20am	Fayrouz Abou Ibrahim Bridging Purification and Production: Nanoscale COFs for Water Decontamination and Sustainable H ₂ O ₂ Generation
11:20-11:40am	Basit Khan Heat-Health Outdoors (H ₂ O): An Online, Real-Time Heat Risk Assessment System
11:40-12:00pm	Sandhya Sharma Studying the Lunar Surface using X-ray Spectrometer

12:00-1:00pm	Lunch Break
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1:00-2:20pm	Poster Session
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SESSION THREE

2:30-2:50pm	Aurelie Mesnil Comparative population genomics of fruit tree domestication
2:50-3:10pm	Mohammad Ahmad Calcium-mediated stress granule assembly increases resilience of cancer cells to alkaline intracellular pH
3:10-3:30pm	Abdelmalek Abdelrazeq Tract-based Lesion Metrics for Resolving the Clinico-Radiological Paradox in Multiple Sclerosis

3:30-3:45pm	Break
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SESSION FOUR

3:45-4:05pm	Georgina Matthews Spatial Patterns of Heat Tolerance of Two Common Coral Species Across the Arabian Gulf and Gulf of Oman
4:05-4:25pm	Nouar AlDahoul Large Language Models are often politically extreme, usually ideologically inconsistent, and persuasive even in informational contexts
4:25-4:45pm	Teodora Hristovska Uncertainty about future action modulates working memory

4:45-5:00pm	Prizes and Closing Remarks
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