

Frontiers in Science

ADVANCING SPACE EXPLORATION



Presented by Georgia Tech College of Sciences

8:45am **Opening Remarks**

- **Susan Lozier**, *Dean of the College of Sciences, Betsy Middleton and John Clark Sutherland Chair, Professor in the School of Earth and Atmospheric Sciences*
- **Tim Lieuwen**, *Executive Vice President for Research, David S. Lewis, Jr. Chair, and Regents' Professor in the Daniel Guggenheim School of Aerospace Engineering*

9:00am **Habitable Worlds**

- **Chris Reinhard**, *Associate Professor in the School of Earth and Atmospheric Sciences*
- **Gongjie Li**, *Associate Professor in the School of Physics*
- **Joyce Shi Sim**, *Assistant Professor in the School of Earth and Atmospheric Sciences*
- **James Wray**, *Professor in the School of Earth and Atmospheric Sciences*
- **Indujaa Ganesh**, *Assistant Professor in the School of Earth and Atmospheric Sciences*

10:00am **Break**

10:15am **Earth as a Model for Space**

- **Christopher Carr**, *Assistant Professor in the Daniel Guggenheim School of Aerospace Engineering and School of Earth and Atmospheric Sciences*
- **Frances Rivera-Hernández**, *Assistant Professor in the School of Earth and Atmospheric Sciences*
- **Amanda Stockton**, *Associate Professor in the School of Chemistry and Biochemistry*
- **Christopher Wiese**, *Assistant Professor in the School of Psychology*

11:00am **Telescopes & Tacos: Interactive Public Astronomy Lunch**

Lunch will be served.

- With interactive opportunities from the Emory University Observatory, Fernbank Science Center, Georgia Tech Astronomy Club, Georgia Tech Space Research Institute, Hard Labor Creek Observatory at Georgia State University, and the Infinite. Presented by Georgia Tech Observatory Director **Paul Sell** and School of Physics Professor Emeritus **James Sowell**

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For more information, just scan the QR code.

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12:30pm Afternoon Opening Remarks

- **Jud Ready**, *Space Research Institute Executive Director and Georgia Tech Research Institute Principal Research Engineer*

12:45pm Human Space Exploration: An Astronaut's Perspective

- **Shane Kimbrough** (M.S. OR 1998), *Retired NASA Astronaut. Kimbrough has spent a total of 388 days in space, performing nine spacewalks. He holds a Master of Science Degree in Operations Research from Georgia Tech.*
- **Jud Ready**, *Space Research Institute Executive Director and Georgia Tech Research Institute Principal Research Engineer*

1:15pm Space Innovation at Georgia Tech

- **Brian Gunter**, *Associate Professor in the Daniel Guggenheim School of Aerospace Engineering*
- **Glenn Lightsey**, *John W. Young Endowed Chair Professor in the Daniel Guggenheim School of Aerospace Engineering*
- **Thom Orlando**, *Regents' Professor in the School of Chemistry & Biochemistry and Adjunct Professor in the School of Physics*
- **Ava Thrasher**, *Research Engineer I in the Daniel Guggenheim School of Aerospace Engineering*
- Moderated by **Naia Butler-Craig** (M.S. AE 2023, Ph.D. AE 2026), *NASA Space Technology Graduate Research Fellow and GEM Fellow*

2:15pm Networking Coffee Break

2:45pm The Future of Space Policy

- **Mariel Borowitz**, *Associate Professor in the Sam Nunn School of International Affairs, Director of the Center for Space Policy and International Relations, and head of the Nunn School Program on International Affairs, Science, and Technology*
- **Margaret Kosal**, *Professor and Director of Graduate Studies in the Sam Nunn School of International Affairs*
- **Feryal Özel**, *Chair and Professor in the School of Physics*
- **Thomas González Roberts**, *Assistant Professor with a joint appointment in the Sam Nunn School of International Affairs and the Daniel Guggenheim School of Aerospace Engineering, and Director of the Engineering Space Policy Laboratory*
- Moderated by **Lisa Yaszek**, *Regents Professor of Science Fiction Studies in the School of Literature, Media, and Communication*

3:45pm The Next Generation: Careers & Commercialization

- **Audra Davidson** (M.S. BIO 2020), *Research Communications Program Manager, Space Research Institute (SRI) & Institute for Neuroscience, Neurotechnology, and Society (INNS)*
- **Jon Goldman** (M.S. MSE 1989), *Director of Quadrant-i (Q-i) in the Office of Commercialization*
- **Lauren Victoria (Vic) Paulson** (B.S. ME 2023, Ph.D. AE 2027), *Founder and President of Southeast Analog*
- Moderated by **Julia Kubanek**, *Vice President for Interdisciplinary Research and Professor of Biological Sciences and Chemistry & Biochemistry*

4:30pm Networking Reception

The reception will conclude at 5:45pm.



Following the event, join the Georgia Tech Astronomy Club for a free evening viewing of Jupiter and the Orion Nebula in Howey Courtyard from 8:00 – 10:00pm