

WOMEN IN SPACE 2019 CONFERENCE PROGRAM

DAY 1

8:30–9:00AM	Registration, networking, and coffee	Sponsor: University of Toronto Astro
9:00–9:30AM	OPENING KEYNOTE: TIMEIBI AGANABA-JEANTY, ARIZONA STATE UNIVERSITY	
9:30AM–10:10AM: SOCIAL SESSION #1		
9:30–9:40AM	The American Astronomical Society's Division of Planetary Sciences Professional Culture and Culture Subcommittee (PCCS)	Rathbun, J. A.
9:40–9:50AM	Space Ethics and Our Expanding Vision for Exploration: Core Conversations	Grier, J. A.
9:50–10:00AM	Progress of Women in the Geosciences: Insight from a Small Liberal Arts University	Eifert, H. A.
10:00–10:10AM	From Spacecraft to Impact: How Women are Pioneering New Space Companies	Mankar, A.
10:10–10:20AM	Networking Break	
10:20AM–10:50AM: SCIENCE SESSION #1		
10:20AM–10:30AM	Rock and Ice on the Red Planet: Glaciers as a Source of Silica on Mars	Rutledge, A.
10:30AM–10:40AM	Sediment Analysis at Martian Analog	Sunda, A.
10:40AM–10:50AM	Present-Day Frost-Driven Geomorphic Changes on Martian Northern Dunes	Diniega, S.
10:50AM–11:00AM	Fretted Channels and Closed Depressions in Arabia Terra, Mars: Origins and Implications for Subsurface Hydrologic Activity	Denton, C. A.
11:00AM–12:00PM	PANEL DISCUSSION: SPACE CAREERS BEYOND ACADEMIA	
12:00PM–1:30PM	LUNCH [CATERED]	Sponsor: Virgin Orbit
-->12:30–1:30PM	GRANT WRITING WORKSHOP WITH DR. CHRISTINA RICHEY, JPL	
1:30–2:00PM	KEYNOTE: DR. MICHAELYN THOMAS, VIRGIN ORBIT	
2:00–3:00PM	PANEL DISCUSSION: HARASSMENT IN STEM	
3:00PM–3:40PM: ENGINEERING SESSION #1		
3:00–3:10PM	Orbit Propagation for Satellite Optical Communications	Gibson, J.
3:10–3:20PM	Mission Planning for NASA-ISRO Synthetic Aperture Radar (NISAR) Mission	Sharma, P.
3:20PM–3:30PM	Highlights from the SSERVI TREX Node	Hendrix, A. R.
3:30PM–3:40PM	Networking Break	
3:40PM–4:30PM: SCIENCE SESSION #2		
3:40–3:50PM	Atmospheric Chemical Reaction Network Topology as Potential Measure of Disequilibrium	Fisher, T.
3:50–4:00PM	Exploration of Europa	Phillips, C. B.
4:00–4:10PM	Io's Loki Volcano: An Attempt to Explain its Tricky Behavior	Rathbun, J. A.
4:10–4:20PM	Investigating Giant Planet Formation Through the Detection and Characterisation of These Sub-Stellar Companions	Rickman, E.
4:20PM–4:30PM	Dynamical Sculpting of Compact Planetary Systems	Obertas, A.
4:30–5:00PM	KEYNOTE: DR. DARLENE LIM, NASA AMES	
6:00–9:00PM	Poster Session + Dinner Networking Event at The Walter Hive	Sponsor: Sinclair Interplanetary

DAY 2

8:30–9:00AM	Registration, networking, and coffee	Sponsor: Paragon
9:00–9:30AM	KEYNOTE: DR. BURÇIN MUTLU-PAKDIL, UNIVERSITY OF ARIZONA	
9:30AM–9:50AM: ENGINEERING SESSION #2		
9:30AM–9:40AM	Study of Electrification in Uttar Pradesh, India using Nighttime Satellite Data	Sahoo, S.
9:40AM–9:50AM	RISAT-1 Hybrid (RH,RV) and Linear Dual (HH,HV) PolSAR Data Based Landuse/Landcover Classification	Amrutkar, R.
9:50AM–10:00AM	Where Science Meets Engineering: Increasing Rover Mission Efficiency and Capabilities	Battler, M.
10:00AM–10:30AM: SOCIAL SESSION #2		
10:00AM–10:10AM	Ready for the Red Planet: Rethinking Preparation Process for Space Analog Missions	Eustice, M.
10:10AM–10:20AM	Sex Differences in Body Composition, Physical Activity, and Total Energy Expenditure When in a Challenging and Novel Environment	Sarma, M. S.
10:20AM–10:30AM	The Canadian Women of Alouette I and II Satellites: Gendered 'Histories' of Space Exploration	Ruel, S.
10:30–11:30AM	PANEL DISCUSSION: WORK + LIFE BALANCE	
11:30AM–12:00PM	KEYNOTE: STEPHANIE WAN, SPACE GENERATION ADVISORY COUNCIL	
12:00PM–1:30PM	LUNCH [CATERED]	Sponsor: Honeywell
-->12:30–1:30PM	LADIES DO LAUNCH INFORMATION SESSION	Aganaba-Jeanty, T.
1:30PM–2:10PM: EDUCATION SESSION		
1:30PM–1:40PM	Planetary Cards: A Fun and Interactive Card Game for Learning about Water in the Solar System	Rumpf, M. E.
1:40PM–1:50PM	String-Model of Curiosity to Demonstrate Physical Size for Outreach	Lamm, S.
1:50PM–2:00PM	Launching Student Passion about STEM through Exciting Higher Orbits Programs	Lucas, M.
2:00PM–2:10PM	One Launch, A Thousand Sparks: How Space-Based Education Can Inspire All Learners	Lemack, C.
2:10PM–2:20PM: SCIENCE SESSION #3		
2:10PM–2:20PM	The Partitioning of Sulfur in the Parent Body of Psyche	Bercovici, H.
2:20–3:20PM	PANEL DISCUSSION: LGBTQ+ ISSUES IN STEM	
3:20–3:30PM	Networking Break	
3:30–4:30PM	PANEL DISCUSSION: TAKING ACTION IN DIVERSITY AND INCLUSION IN STEM	
4:30–5:00PM	CLOSING KEYNOTE: DR. LINDY ELKINS-TANTON, ARIZONA STATE UNIVERSITY	
6:00–8:00PM	Girls in Space! [Junior High + High School Networking Event at The Walter Hive]	Sponsors: Professional Martian, The Walter Hive, and DreamUp