

## CONFERENCE LOCATION

Dwight and Dian Diercks Computational Science Hall  
Milwaukee School of Engineering  
1025 N. Milwaukee St.  
Milwaukee, WI 53202

## CONFERENCE PARKING

Free conference parking is available in MSOE's State Street Lots A and B, Aug. 12–13 (including overnight).

## CONFERENCE REGISTRATION

Cost	By July 10	After July 10
Student	\$35	\$45
K-12 Teacher	\$45	\$55
General	\$55	\$65

Continental breakfast and lunch provided for all in-person attendees.

Registration options: In-person or virtual (cost is the same)

**Register online:** [msoe.edu/wsconference](https://msoe.edu/wsconference)

COVID-19 policy: [msoe.edu/raider-return](https://msoe.edu/raider-return)

## CONFERENCE ACCOMMODATIONS

### Aloft

1230 N. Old World Third Street  
Milwaukee, WI 53212  
(414) 226-0122

Conference Rate: \$139 + tax (king or 2 queen beds)  
Student Rate: \$89 + tax (double/2 queen beds)  
Student ID required

### Homewood Suites

500 N. Water Street  
Milwaukee, Wisconsin, 53202  
(414) 563-1090  
Conference Rate: \$129 + tax (king suite)

Hotel Block Code: Wisconsin Space Conference  
Block hotel rates are valid through July 10.

Visit [msoe.edu/wsconference](https://msoe.edu/wsconference) for hotel registration links.

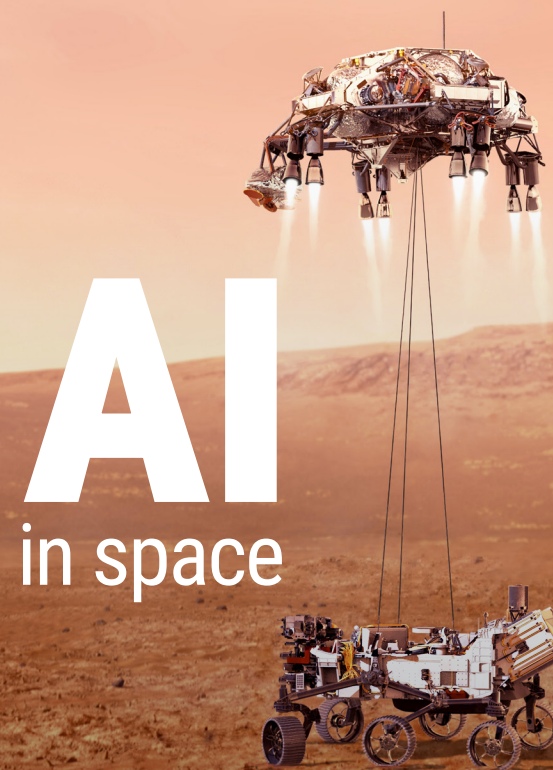
The Wisconsin Space Grant Consortium is a joint effort between NASA and organizations statewide. WSGC is dedicated to helping provide Wisconsin students, researchers, educators, businesses, not-for-profit organizations and other stakeholders with the tools, connections, and resources needed to make the aerospace community in the state of Wisconsin thrive and grow.

## WSGC AFFILIATE MEMBERS

Aerogel Technologies LLC  
AIAA-Wisconsin Section  
Alverno College  
Biopharmaceutical Technology Center Institute  
Carroll University  
Carthage College  
College of Menominee Nation  
Fox Valley Technical College  
Gateway Technical College  
Lawrence University  
Marquette University  
Medical College of Wisconsin  
Milwaukee School of Engineering  
Moraine Park Technical College  
Ripon College  
St. Norbert College  
Sierra Nevada Corporation  
Space Assets LLC  
Spaceport Sheboygan  
University of Wisconsin-Green Bay  
University of Wisconsin-Green Bay, Sheboygan Campus  
University of Wisconsin-La Crosse  
University of Wisconsin-Madison  
University of Wisconsin-Milwaukee  
University of Wisconsin-Milwaukee at Washington County  
University of Wisconsin-Oshkosh  
University of Wisconsin-Oshkosh Fox Cities  
University of Wisconsin-Parkside  
University of Wisconsin-Platteville  
University of Wisconsin-River Falls  
University of Wisconsin-Stevens Point  
University of Wisconsin-Superior  
University of Wisconsin-Whitewater  
Western Technical College  
Wisconsin Department of Transportation  
Wisconsin Lutheran College

## CONSORTIUM OFFICE/LEAD INSTITUTION

Wisconsin Space Grant Consortium  
Carthage College  
2001 Alford Park Drive  
Kenosha, WI 53140  
(262) 551-6054  
[spacegrant.carthage.edu](https://spacegrant.carthage.edu)  
[spacegrant@carthage.edu](mailto:spacegrant@carthage.edu)



Wisconsin Space  
Grant Consortium

**31st Annual  
Wisconsin Space  
Conference**

Friday, Aug. 13, 2021

[msoe.edu/wsconference](https://msoe.edu/wsconference)

## SCHEDULE

Friday, Aug. 13, 2021  
(Tentative Schedule)

7:30–8:30 a.m.	Registration Continental Breakfast
8:30–8:45 a.m.	Welcome and Introductions
8:45–9:30 a.m.	Plenary Session
9:30 a.m.–12 p.m.	Presentations, Poster Sessions and Networking
12–12:45 p.m.	Lunch
12:45–1 p.m.	Group Photo
1–4:15 p.m.	Education Sessions
4:15–4:30 p.m.	Break
4:30–5:15 p.m.	Featured Program Awardees
5:15–5:30 p.m.	Award Announcement and Closing Remarks

Please visit [msoe.edu/wsconference](https://msoe.edu/wsconference) for updates to the schedule.

### HOST INSTITUTE CONTACT

#### For registration inquiries:

Vivian Mickelson  
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Milwaukee School of Engineering  
(414) 277-7375  
[wsconference@msoe.edu](mailto:wsconference@msoe.edu)  
[msoe.edu/wsconference](https://msoe.edu/wsconference)

#### For other conference inquiries:

William Farrow, Ph.D.  
Mechanical Engineering Department  
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(414) 277-2241  
[wsconference@msoe.edu](mailto:wsconference@msoe.edu)



### PLENARY SPEAKER | EXPLORING MARS THROUGH ROBOTIC EYES

Ashley W. Stroupe, Ph.D.

**JPL | Systems Engineer, 397B - Planning & Sequencing Systems**  
**MSL Rover Planner Team Lead, Tactical Uplink Lead Deputy Team Lead,**  
**Supra-Tactical Lead Team Member**

Dr. Ashley W. Stroupe is a systems engineer at Jet Propulsion Laboratory (JPL) in Pasadena, California. She specializes in Mars Rover operations. She has performed many different roles over the last 16 years for the Curiosity, Opportunity and Spirit rovers.

Presently, Stroupe's primary role is the team lead for the Curiosity Rover Planners, the team that drives and controls the robotic arm. She also works as a tactical uplink lead, managing the daily planning process for the rover, and as a supra-tactical lead, sketching out and modeling the activities for near-term plans. In addition to her flight work, Stroupe has conducted research focusing on cooperative multi-robot teams in complex environments with applications to exploration and mapping, cooperative manipulation and sampling.

Stroupe received a B.S. in Physics/Astronomy from Harvey Mudd College in 1990, an M.S. in Electrical Engineering from George Mason University in 1998, an M.S. in Robotics from Carnegie Mellon University in 2001, and a Ph.D. in Robotics from Carnegie Mellon University in 2003. She joined JPL in 2003.