



WANT TO WORK ON WEIRD AND WILD CONCEPTS TO HELP **NASA** EXPLORE AND DEVELOP SPACE?
JOIN THE MIT NASA CHALLENGES TEAMS!
 INFO SESSION*: **WEDNESDAY SEPT. 7TH, 5:00PM**
 AT **33-218** AND ON ZOOM (<https://mit.zoom.us/j/92198169306>)

* CAN'T MAKE IT ON WED
 SEPT 7th? GOOGLE FORM &
 WE'LL GET BACK TO YOU!
 (<http://tiny.cc/mit-nasa-2023>)



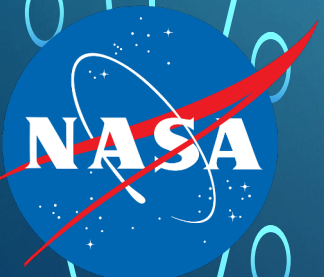
The first of seven WORMS robots, for the 2022 NASA BIG Idea Challenge. WORMS is our architecture for reconfigurable robots to explore lunar terrain!



Student-designed and led, MIT's lunar tower was developed with NASA funding, won the Path to Flight award at the BIG Idea Forum in January 2021 and is now continuing development with NASA Langley under a Space Act Agreement.



Photogrammetry static deflection experiments at 8.5m and 11m height with MIT's self-deploying lunar tower prototype.



Our BART & MARGE team at the NASA 2022 RASC-AL Challenge Finals, held 24-26 June 2022 at Cocoa Beach, Florida. Awards: First Place Overall and Best in Theme.



Our HYDRATION III team at the NASA 2021 RASC-AL Special Edition, held 23-25 Sept 2021 at Hampton, VA. Awards: First Place, Most Water Collected, Best Poster.



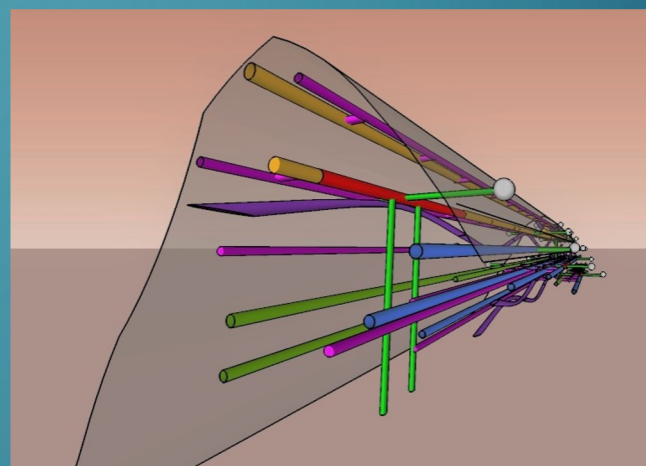
NASA CHALLENGES @ MIT

MORE INFORMATION



Our NASA Challenges Design & Build teams are recruiting!

- The Space Resources Workshop will form two new teams to participate in this year's challenges: the **MIT Mars Homestead** team, to design a resilient Mars outpost for the 2023 NASA RASC-AL Forum, and the **MIT Lunar Forge team**, for lunar metal production tech for the 2023 NASA BIG Idea Challenge.
- Join us to help sustain the **excellent track record** of MIT in these NASA competitions! Eleven awards in five years, including First Place (3), Second Place, Honorable Mention, Best Technical Paper/Poster (3), Most Water Collected and Best Path to Flight Awards!
- We welcome undergraduate and graduate MIT students from all courses and departments. **Diversity is the secret behind our results!**
- Express your interest using our form at <http://tiny.cc/mit-nasa-2023> or at the info session on **Wednesday September 7th, 5pm, at 33-218** and also on Zoom (<https://mit.zoom.us/j/92198169306>)

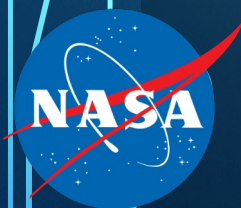


Faculty advisors and industry/NASA mentors

- Our **Space Resources Workshop** (37-084) is advised by Prof Jeffrey Hoffman, director of MIT AeroAstro Human Systems Lab, and by Prof Olivier de Weck, director of MIT AeroAstro Engineering Systems Lab.
- Our MELLTT / SELTI **Lunar tower team** is advised by Prof Jeffrey Hoffman, Prof Olivier de Weck and Prof Dava Newman. Our NASA Langley mentor is Dr. Juan Fernandez.
- Our 2022 BIG Idea **WORMS team** is advised by Prof Jeffrey Hoffman, Prof Olivier de Weck, Prof David Trumper, Prof Sangbae Kim and Prof Wendell Chun. Our industry mentors are Boston Dynamics, MassRobotics and Robots 5.

Links with further details and information

- [Space Resources Workshop website](#), with info on past, current and NEW projects
- MIT News Story on our 2022 RASC-AL Team, [BART & MARGE](#)
- NASA [Feature Story](#) on 2020-21 RASC-AL Special Moon to Mars Ice & Prospecting Challenge
- MIT News Story on [Star City](#), winner of Mars Society's 2019 Mars Colony Award
- Short [trailer of MELLTT / SELTI lunar tower](#) concept
- The 2022-2023 NASA [RASC-AL competition](#)
- The 2022-2023 NASA [BIG Idea competition](#)



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