

Decision Processes Colloquia

Monday, February 17, 2020

Where: 270 JMHH

When: 12:00 – 1:20 pm

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Deep Space Collaboration

ABSTRACT:

Are we really going to Mars? The astronomical community certainly believes the answer is "yes." Scientists all over the world are solving puzzles related to rocket reusability, human resistance to radiation exposure, and terraforming Mars to warm it up and give it a breathable atmosphere. The scientific challenges of a Mars mission are not confined to physical science - the social and organizational sciences will play an essential role. A central mission parameter for deep space exploration is teamwork, and NASA's risk assessment for teamwork is currently "Red - requires mitigation". In this talk, I consider the teamwork challenges posed by a Mars mission, share the latest research being done to address those challenges, and lastly, consider the implications of this research for the many teams tackling important challenges here on Earth.

