

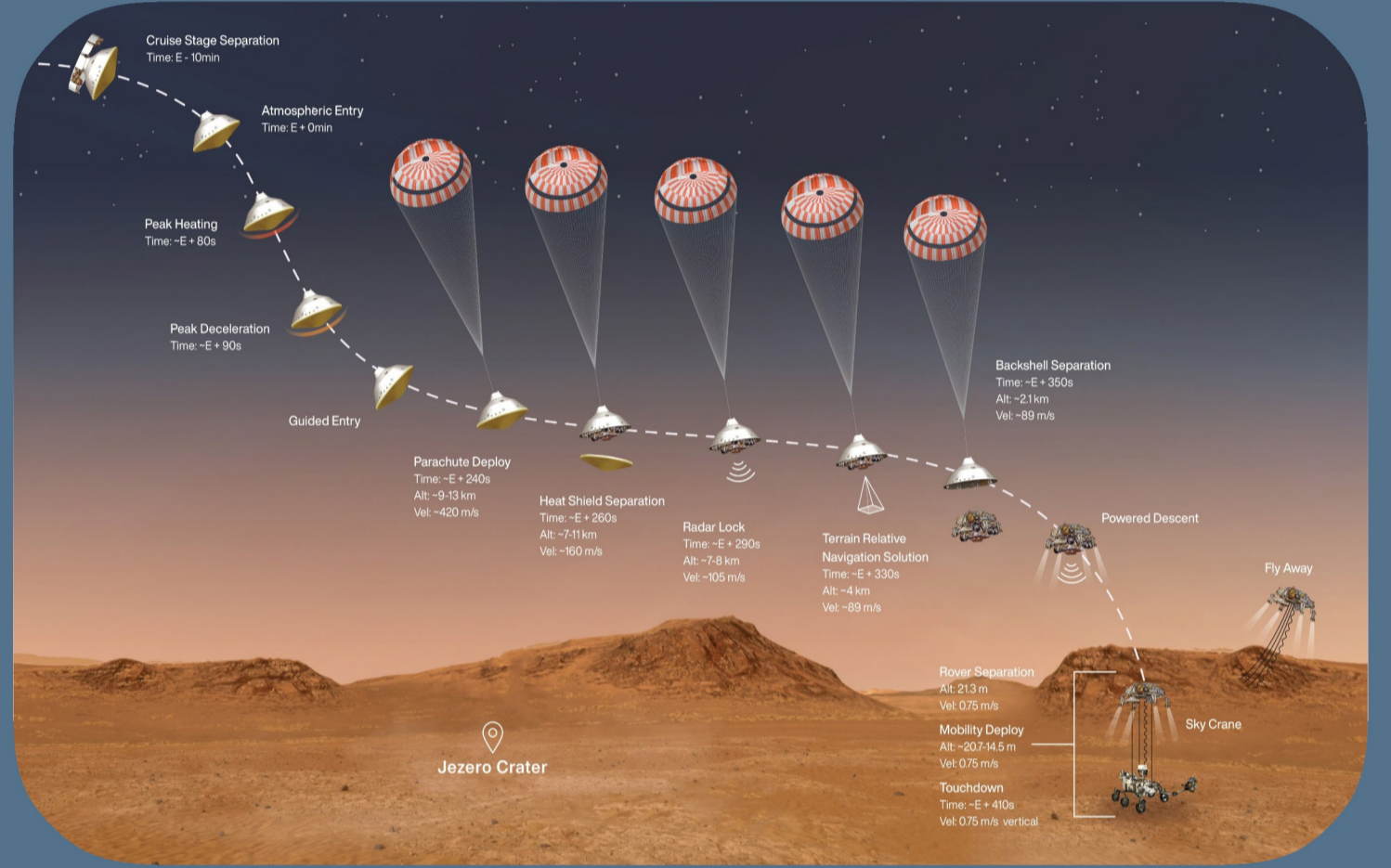
Interdisciplinary Seminar Series

Mars 2020: Exploring the Red Planet with the Perseverance Rover

Virtual Venue: May 13 2021, 19:00 - 20:00 (GMT +3), Zoom Meeting ID: 983 6254 1529



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Credit: NASA/JPL-Caltech

NASA's Mars 2020 Perseverance rover landed in Jezero crater on Mars on February 18, 2021. Most rocks in Jezero crater are thought to be > 3.5 billion years old and will be studied using the instrument payload on the Perseverance rover. For the first time, a rover mission to Mars will also collect samples of martian rocks and soil for return to Earth by the currently planned subsequent legs of the Mars Sample Return Campaign. These samples will be analyzed in terrestrial laboratories and used to reconstruct climate and environmental change on Mars, look for traces of prebiotic and early biological processes, and prepare for future human exploration. Sedimentary deposits of clay minerals, hydrated silica and hydrated magnesium carbonates on Earth provide particularly attractive analogs for targets with the highest astrobiological potential within Jezero crater.



Live Stream:

<https://www.youtube.com/c/TUBITAKTBAE>