



The University of Texas at San Antonio™

**DATE:**  
**Friday,**  
**February 25, 2022**

**TIME:**  
**12:00pm-1:30pm CST**

**LOCATION:**  
**BSE 2.102**  
**Zoom: 921 8560 9255**



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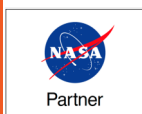
**PRESENTS:**

**Sam Ximenes - Space Architect, Astroport Space Technologies**

**Title:** *Autonomous Robotics for Lunar Landing Pad Construction*

**Abstract:**

Presentation will describe civil engineering processes using autonomous robotics for excavation and site preparation for constructing a lunar landing pad. A concept of operations for landing pad construction is presented, centered around a regolith melting and brick placement technology being developed by San Antonio based Astroport Space Technologies, Inc. Additional technologies in development by Astroport for habitat and lunar infrastructure construction are also discussed.



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