

MONDAY, JUNE 10, 2024

AI-Powered Self-Replicating Probes - an Evolutionary Approach Theme

- 8:40 - 9:25 AM** **UNIVERSITY OF TEXAS, AUSTIN**
AETHER: Autonomous Exploration Through Extraterrestrial Regions
Advisor: Prof. Adam Nokes
- 9:30 - 10:15 AM** **VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY**
Project Draupnir
Advisor: Dr. Kevin Shinpaugh
- 10:25 - 11:10 AM** **STANFORD UNIVERSITY WITH THE UNIVERSITY OF WATERLOO**
Modular Self-Assembling Robotic Architecture (MARA)
Advisors: Dr. Anton Ermakov (Stanford University) and Dr. William Melek (University of Waterloo)
- 11:15 AM - 12:00 PM** **CLARKSON UNIVERSITY WITH KHALIFA UNIVERSITY AND THE ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY**
AUTONOMY: Augmented Unmanned Technology Operating in Navigating Objects of Mining Yield
Advisors: Dr. Michael Bazzocchi (Clarkson University), Dr. Roberto Sabatini (Khalifa University), Dr. Alessandro Gardi (Khalifa University), and Dr. Anna Bourmistrova (Royal Melbourne Institute of Technology)

Large-Scale Lunar Crater Prospector Theme

- 1:15 - 2:00 PM** **UNIVERSITY OF MARYLAND**
SITIS: Subsurface Ice and Terrain In-situ Surveyor
Advisor: Dr. David Akin
- 2:05 - 2:50 PM** **SOUTH DAKOTA STATE UNIVERSITY**
POSEID-N: Prospecting Observation System for Exploration, Investigation, Discovery, and Navigation
Advisor: Dr. Todd Letcher

TUESDAY, JUNE 11, 2024

Large-Scale Lunar Crater Prospector Theme (Continued)

- 8:00 - 8:45 AM** **UNIVERSITY OF TEXAS, AUSTIN**
VENOM: Volatile Examining luNar prOspectors and Mothership
Advisor: Prof. Adam Nokes
- 8:50 - 9:35 AM** **TULANE UNIVERSITY**
SPIDER: South Pole Ice Drilling and Exploration Rover
Advisor: Dr. Matt Barrios
- 9:40 - 10:25 AM** **IOWA STATE UNIVERSITY**
Sub-Surface Condensation Analysis Rover for Crater Exploration (SCARCE)
Advisor: Dr. Matthew Nelson

Sustained Lunar Evolution Theme

- 10:40 - 11:25 AM** **UNIVERSITY OF MARYLAND**
TILE: Terrapin Infrastructure for Lunar Evolution
Advisors: Dr. Jarred Young and Christopher Kingsley
- 1:15 - 2:00 PM** **UNIVERSITY OF PUERTO RICO, MAYAGÜEZ**
POLARIS: Permanent-Outpost Lunar Architecture for Research and Innovative Services
Advisors: Dr. Bárbara Calcagno and Dr. Gustavo Gutiérrez
- 2:05 - 2:50 PM** **UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN WITH BARRIOS TECHNOLOGY**
THEIA: Trans-lunar Hub for Exploration, ISRU, and Advancement
Advisors: Dr. Victoria Coverstone (University of Illinois, Urbana-Champaign), Dr. Jordan Smart (University of Illinois, Urbana-Champaign), Dr. Robyn Woollands (University of Illinois, Urbana-Champaign), and Alec Auster (Barrios Technology)

WEDNESDAY, JUNE 12, 2024

Long Duration Mars Simulation at the Moon Theme

- 9:00 - 9:45 AM** **UNIVERSITY OF MARYLAND**
TerraLunar
Advisors: Dr. David Akin and Charles Hanner
- 9:50 - 10:35 AM** **MASSACHUSETTS INSTITUTE OF TECHNOLOGY WITH THE SWISS FEDERAL INSTITUTE OF TECHNOLOGY - LAUSANNE AND THE NATIONAL HIGHER FRENCH INSTITUTE OF AERONAUTICS AND SPACE**
Project MARTEMIS: Mars Architecture Research using Taguchi Experiments on the Moon with International Solidarity
Advisors: Dr. Jeffrey Hoffman (Massachusetts Institute of Technology), Madelyn Hoying (Massachusetts Institute of Technology), Dr. George Lordos (Massachusetts Institute of Technology), Dr. Olivier de Weck (Massachusetts Institute of Technology), Dr. Alexandros Lordos (University of Cyprus), Vsevolod Peysakhovich (National Higher French Institute of Aeronautics and Space), Dr. Andreas Osterwalder (Swiss Federal Institute of Technology), Dr. Martin Heyne (Intuitive Machines), and Dr. Alexander Miller (Blue Origin)