<table>
<thead>
<tr>
<th>Time</th>
<th>Name</th>
<th>Title</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>10:20 - 10:40 AM</td>
<td>Amelia H. Burns</td>
<td>The Effect of Cultivation Season on Mechanical Properties of 3D Printed Spirulina Biomass</td>
<td>Chiara Daraio G. Bradford Jones Professor of Mechanical Engineering and Applied Physics; Investigator, Heritage Medical Research Institute</td>
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<tr>
<td>10:40 - 11:00 AM</td>
<td>Mehmet N. Keskin</td>
<td>Designing and Testing Aortic Endografts That Prevent Endoleaks</td>
<td>Chiara Daraio G. Bradford Jones Professor of Mechanical Engineering and Applied Physics; Investigator, Heritage Medical Research Institute</td>
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<tr>
<td>11:00 - 11:20 AM</td>
<td>Athena Kolli</td>
<td>Designing Composites With Spatially and Temporally Programmable Fracture Behavior</td>
<td>Chiara Daraio G. Bradford Jones Professor of Mechanical Engineering and Applied Physics; Investigator, Heritage Medical Research Institute</td>
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<td>11:45 AM - 1:00 PM</td>
<td>LUNCH</td>
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<tr>
<td>Time</td>
<td>Speaker Name</td>
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<td>Presenter 1</td>
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| 1:00 - 1:20 PM | Kaila Y. Coimbra      | LATTICE: System Integration of a Driving Module for a Stake-Cable Network | Soon-Jo Chung  
William Hassenzahl Family  
SURF Fellow                      | Matthew Anderson  
Bren Professor of Aerospace and Control and Dynamical Systems; Research Scientist, JPL |
| 1:20 - 1:40 PM | Diana C. Frias Franco | Supporting UAV Autonomy With Application to Volcanic Sciences         | Soon-Jo Chung  
Matthew Anderson  
Staff Scientist in Aerospace       |                                                |
| 1:40 - 2:00 PM | Michael O. Gonzalez   | Improving UAV-Based Volcanic Lake Sampling Methods                    | Soon-Jo Chung  
Matthew Anderson  
Staff Scientist in Aerospace       |                                                |
| 2:00 - 2:20 PM | Lucas L. Pabarcius    | Ab-Inito Physical Characterization and Rapid Engineering Development of LATTICE: The Lunar Architecture for Tree Traversal In-service-of Cabled Exploration | Soon-Jo Chung  
Matthew Anderson  
Staff Scientist in Aerospace       |                                                |
| 2:20 - 2:30 PM |                        | **BREAK**                                                            |                                                                                      |                                                |
| 2:30 - 2:50 PM | Diego E. Garcia       | GPU-accelerated Monitoring of High-rise Building Motions and Deformations | Monica D. Kohler  
Research Professor in Mechanical and Civil Engineering                       |                                                |
| 2:50 - 3:10 PM | Max A. Oberg          | Subgrid Modeling for Large Eddy Simulations of Premixed Combustion   | Guillaume Blanquart  
Professor of Mechanical Engineering                                             | Matthew Yao  
Graduate Student in Mechanical Engineering                                      |
| 3:10 - 3:30 PM | Kyle A. Lethander     | Simulating Gas Giant Entry With Multiphysics CFD                      | Guillaume Blanquart  
Professor of Mechanical Engineering                                             | Alex Mori  
Graduate Student in Mechanical Engineering                                      |
| 3:30 - 3:50 PM | John E. Bryszacz      | Mesoscale Modeling of Microstructure Evolution Using Massively Parallel Phase Field Simulations | Brandon Runnels  
Assistant Professor of Mechanical and Aerospace Engineering, University of Colorado, Colorado Springs | Melany L. Hunt  
Dotty and Dick Hayman Professor of Mechanical Engineering                      |