<table>
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<tr>
<th>Time</th>
<th>Name</th>
<th>Title</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>1:00 - 1:20 PM</td>
<td><strong>Avi S. Patel</strong></td>
<td>Using Unsupervised Machine Learning to Extract Novel Information From Zwicky Transient Facility Light Curves</td>
<td>Dalia Baron Carnegie-Princeton Postdoctoral Fellow, Carnegie Observatories Matthew J. Graham Research Professor of Astronomy</td>
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<td><em>Samuel P. and Frances Krown SURF Fellow</em></td>
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<td>1:20 - 1:40 PM</td>
<td><strong>Catherine Deng</strong></td>
<td>Machine Learning Acceleration for Astronomical Events Using Field Programmable Gate Arrays (FPGAs)</td>
<td>Matthew J. Graham Research Professor of Astronomy</td>
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<td><em>Jean J. Dixon SURF Fellow</em></td>
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<td>1:40 - 2:00 PM</td>
<td><strong>Luke T. Lamitina</strong></td>
<td>Developing Adaptive Optics Techniques and Instrumentation Implemented for Direct Imaging and Characterization of Exoplanets</td>
<td>Dimitri P. Mawet David Morrisroe Professor of Astronomy; Senior Research Scientist, JPL Jorge Domingo Llop Sayson Postdoctoral Scholar Research Associate in Astronomy</td>
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<td><em>Dr. Gary Stupian SURF Fellow</em></td>
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<td>2:00 - 2:20 PM</td>
<td><strong>Michael A. Gutierrez</strong></td>
<td>Evidence for a Single Astrophysical Origin of Fast Radio Bursts</td>
<td>Charles L. Steinhardt Associate Professor, Dark Cosmology Centre, Niels Bohr Institute, University of Copenhagen Rob B. Phillips Fred and Nancy Morris Professor of Biophysics, Biology, and Physics</td>
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<td><em>David L. Glackin Memorial SURF Fellow</em></td>
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<td>2:20 - 2:40 PM</td>
<td><strong>Arden J. Shao</strong></td>
<td>Photometric Template Re-fitting of High Redshift Galaxies From James Webb Space Telescope</td>
<td>Charles L. Steinhardt Associate Professor, Dark Cosmology Centre, Niels Bohr Institute, University of Copenhagen Melany L. Hunt Dotty and Dick Hayman Professor of Mechanical Engineering</td>
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<td>2:40 - 3:10 PM</td>
<td><strong>Xander J. Hall</strong></td>
<td>Building Polarized M-Mode Maps to Discover Auroral Emissions on Exoplanets</td>
<td>Gregg W. Hallinan Professor of Astronomy Ruby L. Byrne Postdoctoral Scholar Research Associate in Astronomy</td>
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<td>2:50 - 3:10 PM</td>
<td><strong>Xander J. Hall</strong></td>
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3:10 - 3:30 PM  
**Saren H. Daghlian**  
Tunable RFI Bandstop Filter for the DSA-2000 Analog Front-end  
Gregg W. Hallinan  
*Professor of Astronomy*  
Sander Weinreb  
*Visiting Associate in Astronomy*  
Kiran Shila  
*Graduate Student in Electrical Engineering*

3:30 - 3:50 PM  
**Ethan A. Alderete**  
Flintridge Foundation SURF Fellow  
Identifying FRBs From Suspected Pulsar Wind Nebulae VT 1137-0337  
Gregg W. Hallinan  
*Professor of Astronomy*  
Walid A. Majid  
*Research Scientist, JPL*

3:50 - 4:10 PM  
**Sujit Iyer**  
The Young Stellar Object Corral (YSOC) Backend: Retooling to Improve Content and Efficiency  
Lynne Hillenbrand  
*Professor of Astronomy*

4:10 - 4:30 PM  
**Elin A. Stenmark**  
Alain Porter Memorial SURF Fellow  
Inferring a Population-Level Hot Jupiter Age Distribution by Stellar Rotation Period Measurements From TESS Transit Data  
Andrew W. Howard  
*Professor of Astronomy*  
Luke Bouma  
*51 Pegasi Postdoctoral Scholar*  
Research Associate in Astronomy