



**Unlocking the Climate Record Stored within  
Mars' Polar Layered Deposits**

**August 8-11  
Overview Schedule**

**Tuesday, August 8 - Salvatori Seminar Room  
South Mudd Building (3rd floor) - Caltech**

**Short Course: The Polar Ice Caps and Climate of Mars  
Introductory Lectures - Open to all interested students, researchers and faculty**

| <b>Time</b>   | <b>Event</b>   | <b>Speaker</b>             |
|---|--|----------------------------|
| 8:15 - 8:45   | Coffee and Refreshments  |                            |
| 8:45 - 9:00   | Logistics / Introduction   | Michele Judd<br>Paul Hayne |
| 9:00 - 9:45   | Overview of Mars' Polar Caps and Present-day Conditions                            | Shane Byrne                |
| 9:45 - 10:30  | Polar Stratigraphy   | Pat Becerra                |
| 10:30 - 11:00   | Break  |                            |
| 11:00 - 11:45   | Amazonian Climate Modeling   | Melinda Kahre              |
| 11:45 - 12:30   | Terrestrial Ice Sheets in Climate Studies  | Christine Hvidberg         |
| 12:30 - 1:30  | Short Course Ends: Informal Lunch is provided outside Salvatori Seminar Room       |                            |
| <b>Invitation-Only Workshop Begins<br/>Keck Center - Think Tank, Room 155</b> |  |                            |
| 1:30 - 1:45   | Walk to Keck Center, pick up badge and welcome packet, find seat in the Think Tank |                            |
| 1:45 - 2:30   | Workshop Logistics and Introduction to KISS  | Michele Judd               |
| 2:30 - 3:00   | Participant Introductions  | Michele Judd               |
| 3:00 - 3:30   | Study vision and goals for this workshop   | Team Leads                 |
| 3:30 - 4:00   | Break  |                            |
| 4:00 - 5:00   | Finalize study vision and workshop goals via plenary discussion                    | Team Leads                 |
| 5:00 - 5:30   | Solicitation of Lightning Talks  | Team Leads                 |
| 5:30 - 6:00   | Pack up and walk to the Athenaeum  | All                        |
| 6:00  | Dinner at the Athenaeum  |                            |

**Wednesday, August 9 - Keck Center - Think Tank, Room 155**

| <b>Time</b>   | <b>Event</b>  | <b>Speaker</b>              |
|---------------|---|-----------------------------|
| 8:00 - 8:30   | Institute Opens - FREE THINK TIME   |                             |
| 8:30 - 9:00   | Coffee and Refreshments at Keck Center  |                             |
| 9:00 - 9:15   | Logistics and Team Lead Goals for the Day   | Michele Judd and Team Leads |
| 9:15 - 10:00  | Remote Sensing Approaches from Orbit and Surface  | Wendy Calvin, Than Putzig   |
| 10:00 - 10:30 | Lightning Talks (2)   | TBD by participants         |
| 10:30 - 11:00 | Break   |                             |
| 11:00 - 11:30 | Selection of Breakout Groups and Topics   | All                         |
| 11:30 - 12:30 | Breakout Groups Meet  | Groups                      |
| 12:30 - 2:00  | Group Picture and Lunch at the Athenaeum  |                             |
| 2:00 - 2:45   | Report outs from breakout groups (15 mins each)   | Groups                      |
| 2:45 - 3:30   | Lightning Talks (3)   | TBD by participants         |
| 3:30 - 4:00   | Break   |                             |
| 4:00 - 4:15   | Selection of Breakout Groups and Topics   | All                         |
| 4:15 - 5:30   | Breakout Groups Meet  | Groups                      |
| 5:30 - 7:30   | POSTER SESSION and Informal food truck dinner at the Keck Center (dinner starts at 6:30 pm) |                             |

| Thursday, August 10 - Keck Center - Think Tank, Room 155 |   |                             |
|--|---|-----------------------------|
| 8:00 - 8:30  | Institute Opens - FREE THINK TIME                             |                             |
| 8:30 - 9:00  | Coffee and Refreshments at Keck Center                        |                             |
| 9:00 - 9:15  | Logistics and Team Lead Goals for the Day                     | Michele Judd and Team Leads |
| 9:15 - 9:45  | Report outs from breakout groups (10 mins each)               | Groups                      |
| 9:45 - 10:30   | Sampling and In-situ Analysis                                 | Kris Zacny, Rachel Obbard   |
| 10:30 - 11:00  | Break   |                             |
| 11:00 - 11:15  | Lightning talks (1)   | TBD by participants         |
| 11:15 - 11:30  | Selection of Breakout Groups and Topics                       | All                         |
| 11:30 - 12:30  | Breakout Groups Meet  | All                         |
| 12:30 - 2:00   | Lunch at Athenaeum  |                             |
| 2:00 - 2:30  | FREE THINK TIME (individual, or self organizing small groups) | All                         |
| 2:30 - 3:30  | Breakout Groups Meet (continued)                              | All                         |
| 3:30 - 4:00  | Break   |                             |
| 4:00 - 4:45  | Report outs from breakout groups (15 mins each)               | Groups                      |
| 4:45 - 5:30  | Plenary Discussion, selection of final breakout groups        | All                         |
| 5:30   | Pack up and walk to Athenaeum                                 | All                         |
| 6:00   | Dinner at the Athenaeum (with spouses and significant others) |                             |

| Friday August 11 - Keck Center - Think Tank, Room 155 |   |                             |
|---|---|-----------------------------|
| Time  | Event   | Speaker                     |
| 8:00 - 8:30   | Institute Opens - FREE THINK TIME                         |                             |
| 8:30 - 9:00   | Coffee and Refreshments at Keck Center                    |                             |
| 9:00 - 9:15   | Logistics and Team Lead Goals for the Day                 | Michele Judd and Team Leads |
| 9:15 - 10:30  | Breakout Groups   | All                         |
| 10:30 - 11:00   | Break   |                             |
| 11:00 - 11:45   | Final study activities and assignments - Group Discussion | All                         |
| 11:45 - 12:00   | Workshop Closeout   | Michele Judd                |
| 12:00   | Workshop Concludes  |                             |