Welcome to CEDAR 2019!

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CSSC Student Representatives

Introduction

- To students at CEDAR for the first time: by attending this workshop, you are connecting yourself with the greater scientific community. You have taken an important step in your academic career. Congratulations!

- Quick overview:
  - Week at-a-glance
  - CEDAR Hackathon, Lunch with a Scientist, Poster Competition
  - Today's schedule
  - Some other information

Student Activities This Week

Sunday	Student Workshop (9:00 - 16:35) Student Activity (Location Hunting) (17:00-18:00) CEDAR Reception (18:00 - 19:30)
Monday	Introduction of Student Institutions (8:15 – 8:45) CEDAR Hackathon (18:30 - midnight)
Tuesday	Lunch with a Scientist (12:00 - 13:30) MLT Poster Session (16:00 - 19:00) QueerBeer at CEDAR 2019 (19:00 – 22:00)
Wednesday	IT Poster Session (16:00 - 19:00)
Thursday	Poster Prize Announcement (8:15 - 8:30) CEDAR Banquet (18:30 - 21:00)

CEDAR Hackathon

- Takes place after the final afternoon session tomorrow (Monday) in the **Coffee Shop Room**
  - To get to the coffee shop you exit the front of the hotel and turn right. It is on the right at the end of the block (location of the old Starbucks).
  - Limited seating (50), but the room is open for the entire evening
- Pizza will be provided- please fill out this form so we have an accurate headcount.
  - Crowdfunded food delivery encouraged as well, if you miss the pizza.
- Open to students and non-students (see info page on Wiki for more information)
- **This event is for all proficiency levels**. Tasks, however 'simple', are appropriate!
  - Help will be available if you need it!

Lunch with a Scientist

- Takes place during lunch on Tuesday (12:00 - 13:30) in **Zia**.
  - Each dining table will have one scientist, and can accommodate 10-11 students.
  - You can choose to sit with any of the 11 scientists who will be attending the event, provided a seat is available.

- A list of the scientists attending the lunch will be sent out soon via email.

Student Poster Competition

- Takes place on Wednesday and Tuesday, 16:00-19:00
  - Make sure you know which day you have been assigned.
- Round 1: Scientific Content and Effective Poster Presentation
  - Based only on the judges' reading of the poster.
- Round 2: Scientific Content and Effective Oral Presentation
  - Students evaluated further on the scientific significance and quality of the research effort, and also on the effectiveness of their complementary oral presentation.
- Judging rubrics are available (round 1, round 2) for students to view (also available on the CEDAR Wiki)

Today: Core Aeronomy and Data Science

Lecture	Speaker / Comments	Time Slot
Student Registration		08:00 – 09:00
Agenda information	Matthew Grawe and Nithin Sivadas	09:00 - 09:10
What should a student do at a conference?	Jonathan Snively	09:10 - 09:30
The neutral atmosphere	Astrid Maute	09:30 - 10:10
Break	N/A	10:10 - 10:25
The ionosphere	Roger Varney	10:25 - 11:10
Challenges in aeronomy research	Nick Pedatella	11:10 - 11:45
Lunch	N/A	11:45 - 13:15
XandWhy (Special Guest: Elizabeth MacDonald)	Aaron Ridley & Guest	13:15 - 14:10
Data science overview	Farzad Kamalabadi	14:10 - 14:50
Data science overview / drawing conclusions from data	Brian Harding, Matthew Grawe	14:10 - 15:20
Break	Break	15:20 - 15:35
Clustering and dimensionality reduction	Tomoko Matsuo	15:35 – 16:05
Neural networks and deep learning	Asti Bhatt	16:05 - 16:35
Student Activity		17:00 - 18:00

Other Information

- If you or someone you know is interested in becoming the incoming CSSC Student Representative, **please nominate them ASAP (email us or fill out this form)**

- Students will receive an email later this week soliciting feedback on the student workshop and activities.
  - **Please fill this out! It provides information that is very useful for planning future CEDAR workshops.**

- If you are not subscribed to the CEDAR mailing list, you should be!
  - http://mailman.ucar.edu/mailman/listinfo/cedar_email

Other Information

- Santa Fe is at an altitude of ~ 7200 ft.
  - Be cognizant of your water intake- altitude sickness can happen.

- The student activity later today makes use of lat/lon coordinates. We recommend enabling offline navigation on your smartphone for the Santa Fe area before the activity.

- We thank Jaime Aguilar for coordinating photography
- We also thank Duann Yi and Fan Yang for coordinating the student activity