

# Welcome to ISR Summer School 2022

## BU/Millstone Hill

- Objectives and General Guidelines:
  - *Lectures are designed to teach basics of Incoherent Scatter Radar concepts, and the use of the Madrigal data base for research.*
  - *Students attending this school come from a variety of backgrounds, each with different experience level. Lectures/videos have been developed keeping diversity in mind.*
  - *One of the goals of the school is to promote interactions among students, as well as with the mentors/lecturers. Please do not hesitate to ask questions. Lots of time has been allocated for group activities and discussions, so please take advantage of this.*
  - *Some extra time is allocated to go through the prerecorded lectures for the next day.*
- *Links to this and previous schools can be found through the website:*
- – *<https://amisr.com/school/>*
- *Enjoy the experience and we are here for any questions/concerns.*

# Student's Group for Experiments/Discussions

## Group 1

Jonas de Sousa dos Santos  
Alex Green  
Danielle Markowski  
Yang Pan

## Group 2

Arthur Brock  
Yanlin Li  
Brenna Royersmith  
Veronica Romanek

## Group 3

Wei Zhang  
Lujain Almarhabi  
Rachel Boedicker  
Rachel Conway

## Group 4

Save Koontaweeponya  
Tate Colby  
Jiahui Hu  
Alexander Massoud

## Group 5

Onyinye Nwankwo  
Georgia Walls  
Reynaldo Rojas Zelaya  
Nisha Yadav

## TA:

Joaquin Diaz Pena

# Overview of the School (A quick guide)

- Initial lectures and Madrigal use tutorials on Sunday
- Design experiment, write science justification proposal and learn about selection procedure, followed by submission on Monday by 1600 LT
- Execute experiment overnight at Millstone Hill (Details to be given by Phil/Bill)
- Site visit to MIT Haystack Tuesday, including NSF Geospace Facilities program officer presentation
- Weather dependent fun event: Bring swimsuit and towels if you want to swim in a lake on Tuesday's afternoon, close to Anthea's house (Thanks to Anthea for organizing this).
- Analysis of student experiments and group work begins on late Tuesday / Wednesday
- Course discussions on lecture material continue throughout the week.
- Final course presentations, one per group, on Friday - each person in a group needs to have some part of the presentation.

# Lecturers and Admin Staff

- Shikha Raizada - University of Central Florida (UCF) – [shrai259@gmail.com](mailto:shrai259@gmail.com)/[shikha@naic.edu](mailto:shikha@naic.edu)
- Anthea Coster - MIT - [ajc@haystack.mit.edu](mailto:ajc@haystack.mit.edu)
- Josh Semeter - Boston University - [jls@bu.edu](mailto:jls@bu.edu)
- Bill Rideout - MIT - [brideout@mit.edu](mailto:brideout@mit.edu)
- Roger Varney - UCLA - [rvarney@atmos.ucla.edu](mailto:rvarney@atmos.ucla.edu)
- Asti Bhatt - SRI - [asti.bhatt@sri.com](mailto:asti.bhatt@sri.com)
- Phil Erickson - MIT - [pje@mit.edu](mailto:pje@mit.edu)
- Pablo Reyes - SRI - [pablo.reyes@sri.com](mailto:pablo.reyes@sri.com)
- Sarah Schermer – UCF - [Sarah.Schermer@ucf.edu](mailto:Sarah.Schermer@ucf.edu) (Contracts/grants Specialist)
- Anna Gullikson – UCF - [annagullikson@knights.ucf.edu](mailto:annagullikson@knights.ucf.edu) (Student's Assitant)

# Thanks for attending!

