

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

Nisha Yadav
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

Joaquin Diaz Pena
Onyinye Nwankwo
Georgia Walls
Reynaldo Rojas Zelaya

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

Thanks for attending!

