

# **NRAO Summer Student Workshop**

June 7 - 10, 2016

Green Bank, WV

## **Tuesday, June 7**

- 07:30 - 08:30 Breakfast
- 08:45 - 09:00 Welcome to Green Bank and the Radio Quiet Zone (Karen O'Neil)
- 09:00 - 10:00 Introduction to Radio Astronomy Science (Jay Lockman)
- 10:00 - 10:45 Radio Telescope Fundamentals (Frank Ghigo)
- 10:45 - 11:00 Coffee Break
- 11:00 - 12:00 Radiation Fundamentals (??)
- 12:00 - 12:15 Science Talk (Jeremy Bailin)
- 12:20 - 13:20 Lunch
- 13:30 - 14:30 Radio Instrumentation (Richard Prestage)
- 14:30 - 15:30 Tracing the Signal (Ron Maddalena)
- 15:30 - 15:45 Coffee Break
- 15:45 - 17:30 20-m and 40-ft Telescope Training (Sue Ann Heatherly and Mariah Sinclair)
- 17:30 - 18:30 Dinner
- 18:30 - 00:00 20-m Observing

## **Wednesday, June 8**

- 07:30 - 08:30 Breakfast
- 08:30 - 12:20 GBT and Lab Tours
- 12:20 - 13:20 Lunch
- 13:30 - 14:30 Interferometry (Alison Peck)
- 14:30 - 15:30 The VLA (Jennifer Weston)
- 15:30 - 15:45 Coffee Break
- 15:45 - 16:00 Science Talk
- 16:00 - 16:15 Science Talk
- 16:15 - 17:30 Team Data Analysis
- 17:30 - 18:30 Dinner
- 18:30 - 00:00 GBT Drift Scans

**Thursday, June 9**

07:30 - 08:30 Breakfast  
09:00 - 10:00 ALMA (Alison Peck)  
10:00 - 10:15 Science Talk  
10:15 - 10:30 Coffee break  
10:30 - 12:20 Pulsar data analysis activity (Ryan Lynch)  
12:20 - 13:20 Lunch  
13:30 - 14:30 Observing Techniques and Calibration (Dave Frayer)  
14:30 - 15:15 Writing Effective GBT and NRAO Proposals (Toney Minter)  
15:15 - 15:30 Science Talk  
15:30 - 15:45 Coffee Break  
15:45 - 17:30 Team Group Work  
17:30 - 18:30 Cookout at the Rec Area  
19:00 Free time

**Friday, June 10**

07:30 - 08:30 Breakfast  
08:30 - 09:30 Team Work  
09:30 - 10:45 Team Presentations  
11:00 - 12:00 Science Talk: Climate Change (Tim Canty)  
12:00 - 13:00 Lunch  
13:00 - 14:30 Choosing a Career and Building a Strong CV  
15:00 Depart