NEROC Seminars and Public Outreach – the Potential ....

Anthea Coster, Haystack Observatory
Silas Laycock, UML
Patricia Doherty, Boston College
Jens Kauffmann, Haystack
Potential to increase NEROC outreach
Open Radar Workshop - April 2017
Funded by Facility Outreach
Involvement in Schools for Developing Countries


2015, 2-13 March; Workshop on Ionospheric Effects on SBAS and GBAS Applications at Low Latitudes, Trieste, Directors: S. M. Radicella, P. Doherty, B. Nava.


Incoherent Scatter Radar Schools
All of these workshops were held on-line this year
On-Line Open Radar Course
ISR Workshop augmented by Jupyter Notebooks (John Swoboda)
2020 REU projects

- The Polar Vortex’s Effects on TIDs
  Izzi Ariail, University of Oklahoma
- LEGO: Using Dark Clouds in the Milky Way to Understand Distant Galaxies
  Amanda Broadmeadow, University of Rochester
- Seismo-geodetic Data Processing for Cryospheric Applications in the Arctic and the Antarctic
  Emma Chickles, Wellesley College
- Small Radio Telescope 2020
  Blaine Huey, Rensselaer Polytechnic Institute
- MOXIE
  Gavin Kohn, University of Maryland
- AERO-VISTA Interactive Spectrogram Display
  Andrew Langford, University of Notre Dame
- AERO-VISTA Satellite Dashboard
  Emily Mattle, Morehead State University
- Observing Black Holes with the Event Horizon Telescope
  Catherine Petretti, Villanova University
- Software Support for GNSS Total Electron Content (TEC)
  Brenna Royersmith, University of Colorado–Boulder
NEROC can fill a critical gap in hands-on training of astronomers (Jens Kauffmann)

NEROC members build cutting-edge radio research instrumentation (e.g., Haystack, SAO, UMass), they operate world-class interferometers (e.g., SMA), VLBI experiments (e.g., EHT and VGOS), single-dish telescopes (i.e., LMT), and radio experiments (e.g., EDGES). It might be interesting to build a “graduate school for radio astronomy” (e.g., in form of a summer camp) with numerous opportunities for hands-on training with telescopes, instrumentation, and techniques (single-dish, interferometer, VLBI) at the various NEROC institutions.