



Undergraduate Workshop October 23-24, 2017 SCHEDULE

Monday, October 23, 2017

SAMSI, RTP

8:30-8:45	Shuttle from Hotel to SAMSI and Registration
8:45--9:00	<i>Opening Remarks</i> Elvan Ceyhan , SAMSI/NCSU
9:00-9:45	<i>Tutorial on R Software</i> Maggie Johnson; Huang Huang; Whitney Huang , SAMSI
9:45-10:00	Break
10:00-11:00	<i>Applications in Climate Context</i> Michael Wehner , Lawrence Berkeley National Laboratory (LBNL)
11:00-11:15	Break
11:15-12:15	<i>Distributions and Statistics in Climate Data</i> Doug Nychka , National Center for Atmospheric Research (NCAR)
12:15-1:30	Lunch
	Lectures and Hands-on Demos: Overview of Statistical Models/Methods for Climate Research
1:30-2:15	<i>“Introduction to Spatial Data Analysis with R”</i> Maggie Johnson , SAMSI
2:15-2:25	Break
2:25-3:10	<i>“Extreme Value Analysis for Climate Research”</i> Whitney Huang , SAMSI
3:10-3:20	Break
3:20-4:00	<i>Hands on Demos for Climate Extremes R Software</i> Maggie Johnson; Huang Huang; Whitney Huang , SAMSI
4:00-4:30	Concluding Remarks and Wrap Up Maggie Johnson; Huang Huang; Whitney Huang , SAMSI

4:30-5:15 *Panel on Career Opportunities*
Jared Rennie, Cooperative Institute of Climate and Satellites – North Carolina (CICS-NC) and National Centers for Environmental Information (NCEI)
SAMSI: Postdocs and Graduate Fellows

5:15--6:30 Dinner

6:30-6:45 Shuttle to Hotel

Tuesday, October 24, 2017

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9:15-10:15 *Statistical Development and Challenges for Paleo-climate Reconstruction*
Bo Li, University of Illinois

10:15-10:30 Break

10:30-12:00 *How was this Made?: making dirty data into something usable at NCEI*
Scott Stevens and **Jared Rennie**, Cooperative Institute of Climate and Satellites – North Carolina (CICS-NC) and National Centers for Environmental Information (NCEI)

12:00-12:15 Adjourn and Box Lunch

12:15→ Shuttles Depart to RDU Airport