CCT REU: Interdisciplinary Research Experience in Computational Science

Jesse Allison & Juana Moreno
Staff: Kathy Traxler
REU/REHSS

• Welcome

• Introductions
Events and Meetings

- Mentor Presentations **EVERY Tuesday** 3PM DMC 1008B
- Student Updates **EVERY Friday** 3PM DMC 1008B
- REU Orientation 5/29, 9-11AM Life Sciences Annex, Room A101
- Managing Stress Lecture – TBD
- Guest Speaker – Chris Smith – June 6th, 2:30PM
- LIGO Visit – June 16
- Designing Research Posters – 10-11AM 6/12, 6/26, 7/10
- Guest Speaker – TBA – Wed. July 26
- Poster Review Sessions, Tuesday/Friday 3 pm, 1008B DMC
  – July 20, Lead: Hye Yeon Nam
  – July 24, Lead: Peter Diener
CCT REU Guest Researchers

• Google Developer of CodeWorld – Chris Smith
• & ???
Required Meetings
Digital Media Center 1008B

Tuesdays, 3 p.m.
Mentor Presentations

May 29: Hartmut Kaiser, Peter Diener
June 5: Steven Brandt, Hye Yeon Nam
June 12: Joohyun Kim, Mayank Tyagi
June 19: Graduate Student Mentors:
   Corey Matyas, Daniel Schmidt
June 26: Marc Aubanel, Yorgos Veronis
July 10: Edgar Berdahl, Steve Beck
July 18: Managing Stress Seminar
July 25: Final Poster Review/Feedback:
   Peter Diener, Juana Moreno

Fridays, 3 p.m.
Student updates

May 25: Juana Moreno
June 1: Jesse Allison
June 8: Yorgos Veronis
June 15: Steven Brandt
June 22: Hartmut Kaiser
June 29: Marc Aubanel
July 6: Mayank Tyagi
July 13: Peter Diener
July 20: Poster Review: Hye Yeon Nam

CCT: Center for Computation & Technology
Optional Training

• 1st LBRN-LONI Scientific Computing Bootcamp, May 28-29 @ BEC, room 1615 – register at http://www.hpc.lsu.edu/training/workshop.php

• 7th Annual LONI HPC Parallel Programming Workshop, May 30-31 @ BEC, room 1615 – register at http://www.hpc.lsu.edu/training/workshop.php

• SIGN UP!
Optional Training

• HPC Training, Frey 307
  – Intro to Linux
  – Introduction to Python
  – Intermediate Python (Numpy)
  – HPC user environment 1
  – Running Jobs on HPC using the Agave Platform
  – HPC user environment 2
  – Intro to LaTex

  http://www.hpc.lsu.edu/training/tutorials.php
Student Presentations

• Initial Presentations (Project Outline):
  – Wednesday June 6, 9AM – Noon
    DMC Theater
  – 7 min presentation + 3 min Q&A

• Final Presentations:
  – Wednesday July 25, 9AM – Noon
    DMC Theater
  – Formal 7 min + 3 min Q&A Slideshow
    Presentation

• Special Guests!

CCT: Center for Computation & Technology
REU SURF

• Summer Undergraduate Research Forum
• July 27, open to the public
• Poster presentation from all 100+ REU students at LSU
• Highest Ranked CCT REU posters will be awarded a travel grant for international/national conferences
Mentoring

Mentors should:

• Spend adequate time with their students
• Provide a space to work
• Be present at the two formal presentations and at the SURF
• Deliver a Tuesday seminar talk and lead a Friday Update.
Mentoring

• If the mentor travels during the program, he/she has to assign another mentor in his/her research group, who is familiar with the participant’s project, such as a graduate student, postdoc, or other faculty member.

• Mentors are invited to all academic, cultural, and social activities in which the students participate.
Surveys

• CCT Students:
  – Start and end of program, *a La Carte survey*
  – From the NSF CISE, nationwide, based at UNC
• Longitudinal: keep in touch
• Mentors will fill out surveys, too!
Other Activities

• NOLA Visit – May 26!
• LSU Science Cafe – 5/29 5-7PM
• LIGO Visit – June 16
• DMAE Game Night & International Potluck– July 6th
• Softball game – Students vs. Mentors 6/22, 9-1PM
• Physics & Astronomy Night – July 19, 5 pm
  Nicholson Hall
• Swamp tour? Tiki tubing? Movie Night? Hiking?
Calendar

- Calendar of activities at http://reu.cct.lsu.edu

CCT: Center for Computation & Technology
Mailing Address

- Mailing address:
  - Jesse Allison
    Attention: Your Name
  340 E. Parker Blvd.
  Digital Media Center
  Louisiana State University
  Baton Rouge, LA 70803
Participants with Cars

- Aaron Hodson
- Sarah Days-Merrill
- Jacob Shelton
- Thomas Fridge
- Stephanie Hernandez
- Eric Johnson
Bus Route

Tiger Trails, interactive map: http://lsu.transloc.com/

From WCA to the DMC – Purple Trail:
http://www.lsu.edu/parking/transportation/tigertrails.php
• 5 min walk (0.2 mi) from WCA to bus stop (corner of Field House Dr. and Dalrymple Dr.)
• 9 minute ride to DMC
Campus Transit

• This is a door-to-door shuttle service, free of charge, that runs nightly from 5:30 p.m. to 12:30 a.m. Students can access this service by calling (225) 578-5555.
Next Steps

• Meet with your Research Mentor
• Make a research plan for the summer leaving room for any writing, presentation and poster development that must occur.
• Attend the Research Training Tuesday May 29, 9:00-11:00 @ Life Sciences Annex room 101A
• Identify and schedule any further training that you need to be involved in over the next few weeks – Make sure and register
• Settle in and get to know your fellow REU participants
• Familiarize yourself with LSU, Baton Rouge, the DMC and getting around.
• Research!
Questions?