SCUWiP2013 Schedule

Friday, January 18, 2013 (At Holiday Inn Town Lake)

5:00-6:00 PM Registration (Annie Harding and Olga Vorloou - At the Sunflower-Marigold Ballroom)

6:00-7:00 PM – (Sunflower-Marigold Ballroom) Dinner reception – Student introductions

7:00-7:30 PM (Sunflower-Marigold Ballroom) - Official Opening of SCUWiP2013.
• Welcoming remarks by Dr. Linda Hicke, Dean of the College of Natural Sciences
• Overview of SCUWiP2013 and historical background – Dr. Linda Reichl, Professor of Physics, University of Texas at Austin
• NSF and APS Activities to support women in physics – Dr. Sherry Yennello, Professor and Associate Dean, Texas A&M University

7:30-8:20 PM – Cutting Edge Science - “Galaxy Formation in a Dark Universe,”
Dr. Risa Wechsler, Assistant Professor, Stanford University

8:20-8:30PM Concluding Remarks

Saturday, January 19, 2013 (At Thompson Conference Center (TCC))

7:20AM – Bus leaves Holiday Inn for Thompson Conference Center

7:30-8:30AM Breakfast at Thompson Conference Center (Basement dining area-West side of TCC)

8:30-8:45AM (TCC1.110) Welcoming remarks.
• Dr. Richard Hazeltine, Chairman, Dept. of Physics, U.T. Austin
• Dr. David Laude, Vice Provost and Professor of Chemistry, U.T. Austin

8:45-9:35AM (TCC1.110) Cutting Edge Science – “Sometimes Surprising Behavior of Magnetic Spins on a Complex Surface” Dr. Barbara Jones, IBM Almaden Research Center, San Jose, California.


10:25-10:50AM (TCC2.102) – Coffee break (and put up posters in TCC2.102)

10:50-11:50AM (TCC1.110 & TCC2.102) - Undergraduate Student Talks (Parallel Sessions A & B)

Session A, (TCC1.110) (15 minutes each - 12 min talk, 3 min questions).
• Rikki Garner, U.T. Austin, “Investigating the Molecular Interaction of Bovine Serum Albumin and Methylene Blue using an Optical Trap”;
• Kate Spiesman, Harvey Mudd College, “Mathematical Modelling and simulation of a system of Pendulums”
• Allyson Rice, U.T. Austin “Molecular motors response to cytoplasmic drag forces”
• Alina Gitnik, U.T. Austin, "Mechanisms of Stability of electrospun/polypeptide fibers
Session B, (TCC2.102) (15 minutes each - 12 min talk, 3 min questions)

• Sarah Frazier, Rice U., “Charging Behavior of Dust Aggregates in a Plasma Environment with UV Photoemission”
• Alicia Herro, University of North Texas, “The Growth and Characterization of Aluminum Nitride (AlN) Nanowires”
• Laura Tseng, U.T. Austin, “Acoustics of Underwater Helmholtz Resonators”
• Elizabeth Scott, Tulane U., “Monte Carlo Simulations of Helium 3 Scintillation”

11:50PM-1:00PM Lunch (and put up posters) (Basement dining area-West side of TCC)

1:00-2:30PM (TCC 1.110) Keynote Address – “Why diverse teams will meet the science and engineering challenges of the 21st century,” Dr. Margaret Murnane, University of Colorado

2:30-3:20PM (TCC 1.110) - Careers panel
• Dr. Jill Marshall, Assoc. Prof., Dept. Curriculum and Instruction, U.T. Austin
• Dr. Marcia Isakson, Applied Research Labs, U.T. Austin
• Katie Mahoney, Schlumberger Data and Consulting Services, Houston, TX
• Hayley Manning, Nanohmics, Inc., Austin, TX
• Dr. Barbara Jones, IBM Almaden Research Center, San Jose, CA

3:20-4:00 PM (TCC 2.102) Poster Session and coffee

4:00-4:45 PM (TCC 1.110)- Sylvia Stern, Communication and Image Strategist

4:45-5:30PM (TCC 1.110)- “Outlook for Careers in Physics,” Crystal Bailey, American Physical Society

5:30-6:00PM (TCC 1.110) - Undergraduate Panel
• Megan Chan, Rikki Garner, Alina Gitnik, Reena Panketh,
  Florencia Salinas, Laura Tseng,

6:00PM – Leave for Texas Memorial Museum

6:15-8:30PM – Networking Dinner at Texas Memorial Museum

8:30 – Return to hotel

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Sunday, January 20, 2013 (Thompson Center & U.T. Physics Dept. RLM Bldg)

7:20AM – Buses leave hotel for Thompson Center

7:30-8:30AM Breakfast at Thompson Conference Center (Basement dining area-West side of TCC)

8:30-9:10AM (TCC 1.110) Graduate Student Panel
• Cynthia Correa, U.T. Austin
• Charlotte Sanders, U.T. Austin
• Morgann Berg, U.T. Austin (not confirmed)
• Indara Suarez, Texas A&M University

9:10-10:00AM (TCC 1.110) Cutting Edge Science: “Searching for underlying physics principles in cancer,” Dr. Erin Rericha, Vanderbilt University.
10:00-10:50 AM (TCC 1.110) Faculty Panel
  • Dr. Sonia Paban, Assoc. Prof., Physics, U.T. Austin, (high energy theory)
  • Dr. Christina Markert, Physics, Assoc. Prof., U.T. Austin (high energy experiment)
  • Dr. Elaine Li, Assis. Prof. Physics, U.T. Austin (condensed matter experiment)
  • Dr. Vernita Gordon, Assis. Prof. Physics, U.T. Austin (biophysics experiment)
  • Dr. Harriet Dinerstein, Prof. Astronomy, U.T. Austin

11:00 AM- Buses leave for U.T. Physics Department (RLM Bldg., SE corner of Dean Keeton St. and Speedway.)

11:20-11:30 AM (RLM4.102) Set up & discuss lab tour schedule

11:30-12:20 AM (RLM 4.102) Lunch

12:20-1:40 PM Lab Tours and Evaluations

1:40-2:00 PM (RLM 4.102) Awards and Prizes. Close of Conference

2:10 PM Buses leave for hotel and airport.

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ADDRESSES of Conference Sites.

Thompson Conference Center (TCC) on the U.T. campus:
2405 Robert Dedman Drive
(SW corner of Dean Keeton and RedRiver)

Holiday Inn Town Lake:
20 North IH-35,
Phone (512) 472-8211

Rober Lee Moore Hall (RLM Bldg) on the U.T. campus:
(SE corner of Dean Keeton and Speedway)