

# APS Conferences for Undergraduate Women in Physics (APS CUWiP)

## Exploring Paths in Physics

WELCOME

January 16-18, 2015

Jolie Cizewski

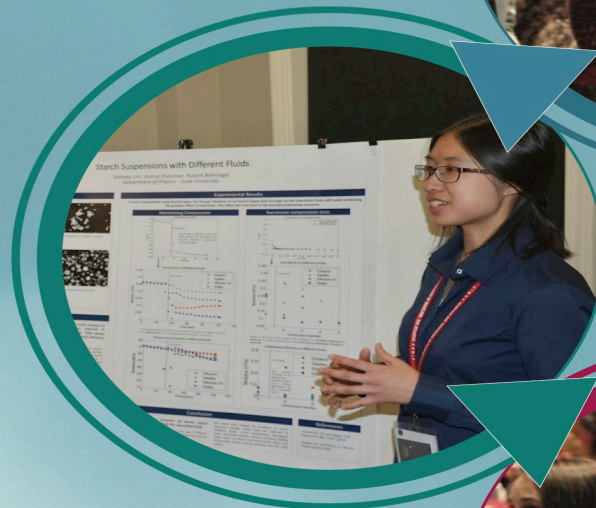
Chair, Local Organizing Committee

Rutgers, the State University of New Jersey

Busch Student Center

604 Bartholomew Road

Piscataway, New Jersey



Photos courtesy of the University of  
Chicago and the University of Maryland.



# APS Conferences for Undergraduate Women in Physics

Delighted that you are joining us – RU & APS

- 140 undergraduate women physics majors
  - Joined by 50 graduate students, faculty, and professional physicists
- 1200 across the U.S.



# APS Conferences for Undergraduate Women in Physics

Rutgers has long been leader in developing women leaders

- Douglass Project for Rutgers Women in Math, Science and Engineering
  - Co-sponsor of RU CUWiP
  - Award winning
  - Elaine Zundl, Director

# APS Conferences for Undergraduate Women in Physics

Rutgers has long been leader in research in physics and astronomy

- Department of Physics and Astronomy
  - Co-sponsor of RU CUWiP
  - Host of laboratory tours and Faraday lecture
  - Ron Gilman, Associate Chair

Rutgers is leader in  
materials science and nanotechnology

- Institute for Advanced Materials, Devices and Nanotechnology
  - Co-sponsor RU CUWiP
  - Host of laboratory tours
  - Len Feldman, Director

Sylvie Rangan,  
Laboratory for Surface Modification

# APS Conferences for Undergraduate Women in Physics

## CUWiP @ Rutgers Organizers

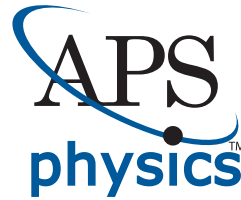
	Andrew Baker	Sevil Salur	
Johanna Bernstein	Premi Chandra	Eugenia Etkina	Laura Fabris
Eva Halkiadakis	Karin Rabe	Rachel Somerville	Laura Stiltz
Grad students:	Caitlin Carpenter	Lisa Fishenfeld	Catie Raney
Anna Wright	Meng Ye	Sara Simon Princeton	
Undergrads:	Jackie Bradli	Alex DeMaio	Alice Huang
Miranda McCeig	Meg Morris	Christine Ray	
Susanne Arney Bell Labs	Shannon Greco PPPL	Deedee Ortiz PPPL	Andrew Zwicker PPPL



# APS Conferences for Undergraduate Women in Physics

Thank you to all of our sponsors

- American Physical Society
- National Science Foundation
- U.S. Department of Energy
- Rutgers



U.S. DEPARTMENT OF  
**ENERGY**

Office of  
Science

**RUTGERS**

School of Arts and Sciences

- Department Physics & Astronomy
- School of Arts & Sciences
- Douglass Project for RU Women in Math, Science, Engineering
- Institute for Advanced Materials, Devices and Nanotechnology
- Office of Educational Enrichment
- Center for Radioactive Ion Beam Studies for Stewardship Science
- Alcatel-Lucent, Bell Laboratories
- Princeton Plasma Physics Laboratory
- Your college and university
- Supporters of women in physics: Anonymous, Amy Cohen, Mohan Kalelkar, Noémie Koller, Ellen Langreth, Paul Leath, Judith Stern

# APS Conferences for Undergraduate Women in Physics

## Goals of CUWiP

- Foster your professional development
  - Workshops
  - Poster and oral presentations
  - Graduate school, research & career fair
- Feel welcome in the world-wide community of physicists
- Have FUN!
  - Meet each other and network with other physicists and professionals

Sabrina Strauss, RU



# APS Conferences for Undergraduate Women in Physics

With a background in physics you can do anything!

- Pursue an advanced degree
    - PhD in Physics, Astronomy, Materials Science, Biophysics, etc.
    - Master's degree in education, applied physics, engineering
    - Go to medical or dental school, law school, business school
- Graduate student panel
  - Workshops
    - Graduate School
    - Fellowships, scholarships, study abroad

# APS Conferences for Undergraduate Women in Physics

With a background in physics you can do anything!

- Career paths

- Fundamental and applied research in physics, astronomy, materials science, biophysics, etc.
- Teaching in physics, math, and physical sciences
- Professional doctor, dentist, lawyer, entrepreneur
- Scientific and technical writing and publishing
- Policy, history and philosophy of science
- Work in industries that require 21<sup>st</sup> century technologies

- Tours of PPPL and Rutgers labs
- Workshop “making a splash on the job market”
- Career paths of plenary speakers
- Career panel on Sunday
- Career and graduate fair on Sunday

# APS Conferences for Undergraduate Women in Physics

You are a welcome part of the physics community

- You belong (you are not an imposter)
  - Look at the women at your table
  - Look at the women in this room
  - All of us are women physicists,  
pursuing our passions,  
living our lives

Women participants in conference  
“Nuclear Symmetries & Stewardship  
Science”, May 2014

# APS Conferences for Undergraduate Women in Physics

You are a welcome part of the physics community

- You belong (you are not an imposter)
    - Look at the women at your table
    - Look at the women in this room
    - All of us are women physicists, pursuing our passions, living our lives
  - You have power over your path
    - Don't let someone's stereotype of what women can do determine your path
- Paths of plenary speakers
  - Workshop on being an active role model
  - Lunch on Saturday
    - Panel on balancing career and personal lives
    - Opportunity to interact with more established physicists



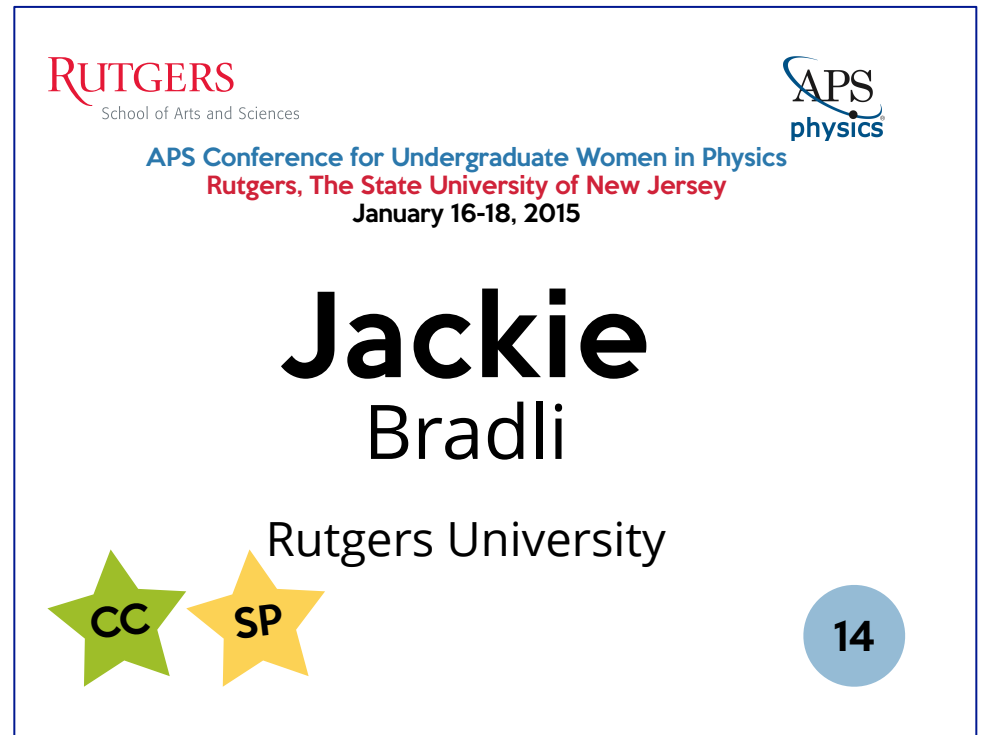
# APS Conferences for Undergraduate Women in Physics

Have FUN!

- Meet other women students in physics bingo!
- Enjoy the Faraday lecture Saturday night
- Build on your excitement for a career based on your background in physics

# APS Conferences for Undergraduate Women in Physics

## Your badge



- CC stars – conference committee member
  - They can help if you have questions
- SP or ST stars – student poster or talk presenter
- Number in circle – table for Saturday lunch
- Sticker from registration – attach to your folder or back of name tag
  - Workshop assignments for Saturday and Sunday

# APS Conferences for Undergraduate Women in Physics

Thank you for joining us at CUWiP 2015!

- Graduate student panel
  - Facilitators: Christine Ray and Maryam Taherinejad
- Physics Bingo: Meg Morris