

# **Women in Science, Technology, Engineering, and Entrepreneurship (WiSTEE)**

**Jie Qiao, PhD, MBA**

**WiSTEE Founder & Chair**

**Scientist**

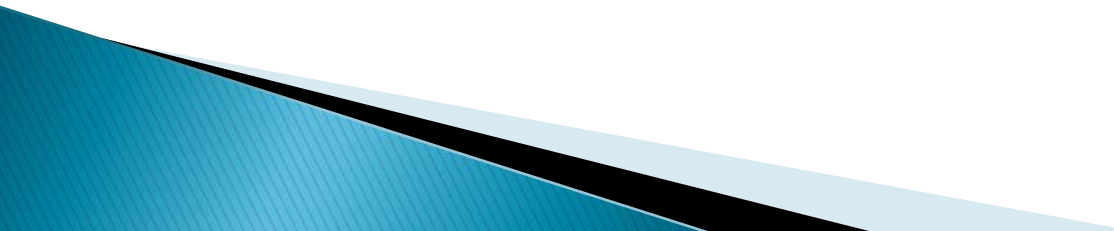
**University of Rochester**

***WiSTEE Opening Event, the Faculty Club, University of Rochester  
1 March, 2013***

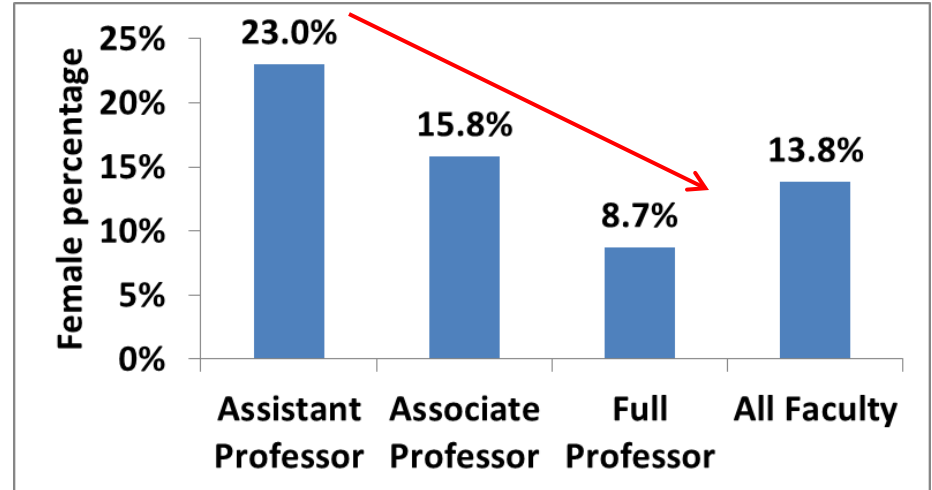
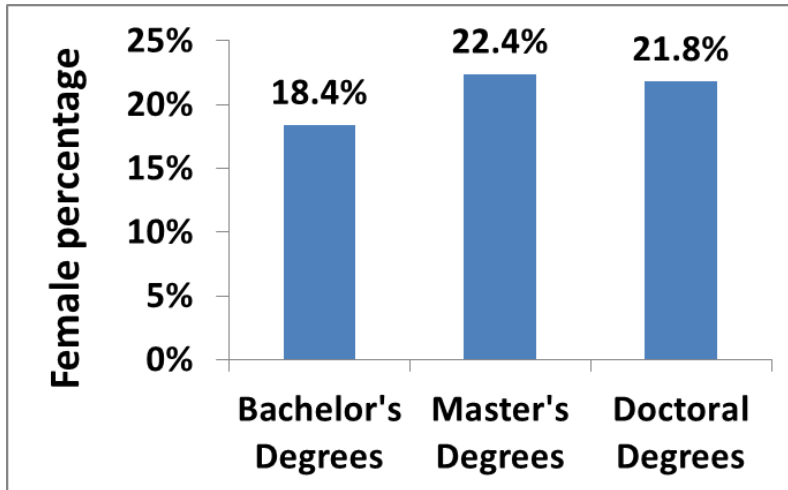


# What does it mean to be a woman in Science, Technology, Engineering, and Entrepreneurship?

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- **Having an analytical and active mind**
  - **Wanting to make things happen**
  - **Wanting to make the world a better place**
  - **Wanting to have a happy and supportive family**
  - **Wanting to be successful and working very hard toward our goals**
  - **Putting off starting a family to focus on school/career**
  - **Positive energy and attitude to be resourceful and handle multiple tasks**
  - **Passionate interest in connecting with like-minded people**
  - **...**
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# Women leadership and role models are strongly needed in STEM: Few of us are at the entry point and fewer of us get to the top



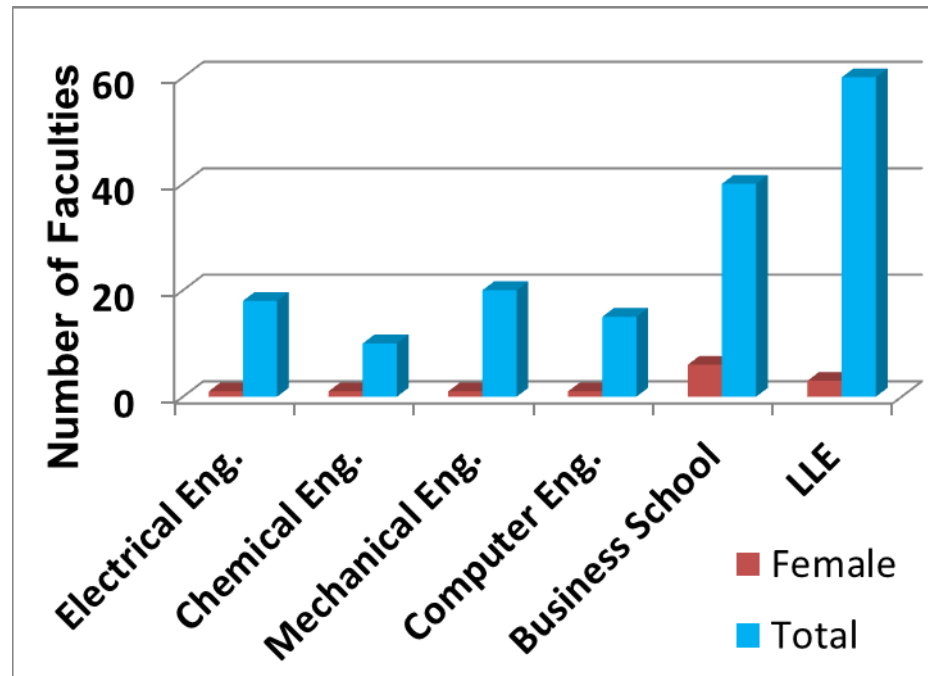
www.asee.org

- **Midcareer women leave the STEM field**
  - *“Many women appear to encounter a series of challenges at midcareer” \**
- **Very few midcareer women role models exist for female junior faculties, graduate, and undergrads**
  - **Women scientists and engineers are made in colleges and universities**
  - **Students’ achievements and interest in STEM are shaped by the environment around them**

\*Why so few women in STEM (Science, Technology, Engineering, and Math), Catherine Hill, et al

# Increasing connectivity can help to prevent isolation and forge informal mentoring among women within STEE

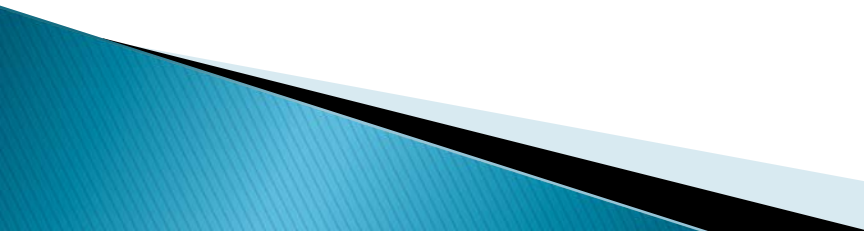
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# Intersecting science, technology, engineering, and entrepreneurship will be empowering and rewarding

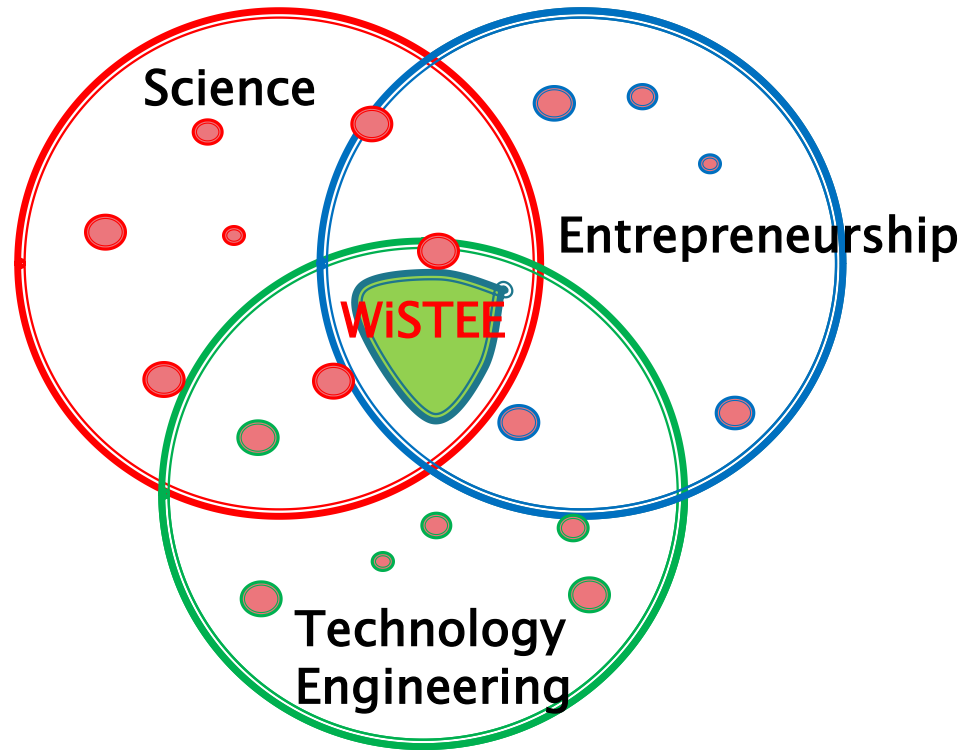
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*“I just wanted to confirm my interest in WiSTEE’s effort to put together a gathering for us to reach out into the scope of entrepreneurship and also to connect with colleagues beyond the boundary of our departments. I’ve always had interest in entrepreneurship, since business has a strong role in how our society works. I think the knowledge would also be beneficial as a leader of a research group, and as a member of the university “business”.”*

- Every faculty is an entrepreneur
  - Business knowledge helps STE scholars and students to be stronger in decision-making and leadership
  - Universities: ever increasing role in filling the gap between invention and innovation
  - Multidisciplinary intersections: forge collaborative mentoring and research
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**Proposed vision: Promote women leadership in STEE,  
bridge the gap between Science and Business, and provide  
a forum to learn, connect and lead**

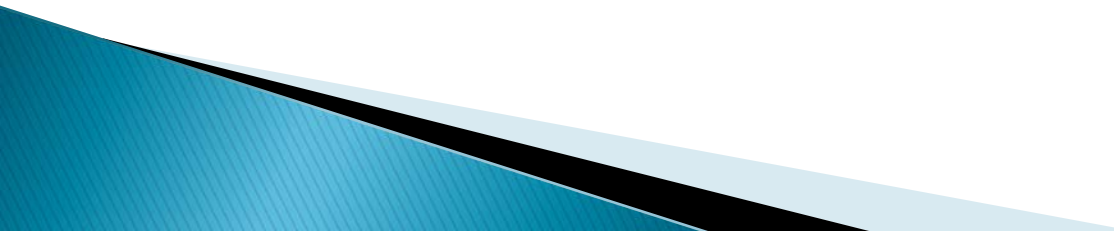
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**Together, we can create a sense of belonging and an oasis to  
connect, mentor, and collaborate with each other!**

# Draft Mission Statement

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- **Promote, advance, and develop WiSTEE members as leaders, achieving their full potential and making a profound difference in the academic units and communities they serve**
  - **Develop strategic thinking and networking skills for WiSTEE members**
  - **Provide a socializing networking environment for WiSTEE members to understand the academic culture, the campus environment and grow into their professional lives**
  - **Provide an anchoring point for University of Rochester to strengthen its strategic diversity positioning**
  - **Grow and generate regional & national recognition**
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# **WiSTEE monthly and special events are being planned**

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- **Proposed topics for monthly events**
  - **Experience, insights and perspectives on being a female faculty or researcher**
  - **Advance in academic world by balancing teaching, research, networking, and professional service: before and after getting a tenure position**
  - **Develop Leadership through mentoring and being mentored**
  - **Intersect science and entrepreneurship**
  - **Family picnic outing**
- **Joint event with the student-focused groups to connect women faculties with students in STEE**
- **A half-day women leadership workshop**
- **Joint event with the entrepreneurship center or similar groups**



# WiSTEE leadership and advisory group are being assembled

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- **Chair: Dr. Jie Qiao, Scientist, Laboratory for Laser Energetics**
- **Secretary : Cristina Canavesi, Ph.D. student, Institute of Optics**
  
- **Advisory group:**
  - **Dr. Jannick Rolland, Professor, Institute of Optics**
  - **Dr. Catherine Cerulli, Associate Professor, Department of Psychiatry, Medical School**
  - **Dr. Laurel Carney, Professor, Biomedical Engineering Department**
  
- **Sponsors:**
  - **Stanley Byrd, Human Resources-Organizational Development and Staff Diversity**
  - **Susan B. Anthony Women Leadership Center @ UR**

# The ripple of lives

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**Each of us can make a difference with our individual influences and actions, together, we can make a profound impact around us.**

