GS3 International Planning Committee

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Vice-President Research Grants and Scholarships, Natural Sciences and Engineering Research Council of Canada (NSERC), Canada

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Executive Director & Chief Executive Officer, Society of Women Engineers (SWE), USA

Wanda E. Ward  
Head, Office of International and Integrative Activities, National Science Foundation (NSF), USA
European Gender Summit in 2012
The Gender Gap in Science

WOMEN AS A SHARE OF TOTAL RESEARCHERS, 2010 OR LATEST AVAILABLE YEAR

Note: Data in this map are based on HC, except for Congo and India (based on FTE).

See A Map of the Gender Gap in Science Around the Globe: A portrait from UNESCO shows where women are well represented among employed scientists, and where they are rare.

The map offers confirmation for the conclusion that (surprise) there’s no biological explanation for the low numbers of women in science. Concludes Rebecca J. Rosen in the Atlantic “Cultures vary, and the result is expressed in the map above. We’d do well to look at countries like Argentina and Brazil and see what is helping them achieve their nice purple color.”
Milestones in Higher Education

Milestones by Race/Ethnicity and Gender 2010
(rounded numbers)

Advanced Degrees in Science and Engineering
Total: 173,000
- Minority Men: 18%
- Minority Women: 17%
- Non-Minority Men: 34%
- Non-Minority Women: 30%

Bachelor’s Degrees in Science and Engineering
Total: 525,000
- Minority Men: 7%
- Minority Women: 11%
- Non-Minority Men: 42%
- Non-Minority Women: 40%

First Time Freshmen Interested in Science and Engineering
Total: 1,232,000
- Minority Men: 13%
- Minority Women: 17%
- Non-Minority Men: 33%
- Non-Minority Women: 37%

First Time Freshman
Total: 3,209,000
- Minority Men: 13%
- Minority Women: 17%
- Non-Minority Men: 33%
- Non-Minority Women: 37%

High School Graduates
Total: 3,321,000
- Minority Men: 18%
- Minority Women: 17%
- Non-Minority Men: 34%
- Non-Minority Women: 30%

Sources: National Center for Education Statistics, IPEDS Completions and Fall enrollment surveys and Common Core of Data; Higher Education Research Institute, American Freshman Survey; and U.S. Census Bureau, Current Population Survey.
Female percentage of full-time science and engineering faculty at 4-year colleges or universities, by rank and field of doctorate: 1997 and 2008

Source: National Science Foundation, Survey of Doctorate Recipients
Diversity Fueling Excellence in Research and Innovation

- More than 130 speakers
- More than 30 posters and exhibits
- More than 600 attendees
- More than 35 countries represented
Gender Summit 3 - North America
Diversity Fueling Excellence in Research and Innovation
www.gender-summit.com

The aim of the 3rd Gender Summit, which is focused on North America, is to interconnect all relevant stakeholders in a Call to Action to achieve positive change towards greater diversity in the Science, Engineering, Technology and Mathematics (STEM) workforce and leadership, and greater inclusion of sex and gender considerations (the "gender dimension") in research content and process.

BACKGROUND
Established in 2011, the Gender Summit has become the foremost forum for engaging top-level researchers, policy makers, science and innovation leaders, and other actors and stakeholders in STEM, to address gender issues in research and innovation where they impact on efficacy, quality and success of these sectors.

GOALS
• Develop a collective commitment to strengthen human capital development, research and innovation through diversity
• Demonstrate latest evidence of how incorporating sex and gender consideration into STEM research and innovation contribute to excellence
• Expand and transform the Gender Summit into a global level forum for collaborative dialogue and activities focused on shaping science and society through the inclusion of gender dimension in research, innovation, and markets for science knowledge.

OBJECTIVES
• Develop solutions on how to incorporate sex and gender considerations in research methods, institutional structures, funding structures and peer review processes
• Foster an inclusive community of experts -- cross-disciplinary, government, industry, academic, and citizen partnerships -- to address scientific and societal grand challenges
• Maximize national and international capacity to address societal challenges and create transformational opportunities through research and innovation that is appropriately responsive to the needs of both women and men.
• Create an implementation Roadmap for evidence-based, concerted and integrated action by all stakeholders engaged in STEM.

The Summit will address the following questions:
What is the compelling research evidence that demands immediate response?
What are the most appropriate, beneficial and impactful actions that different stakeholders can take?
What mechanisms are needed to strengthen inter-stakeholder collaboration?
What strategy is best to achieve global impact?

For more details: in USA: NSF, gendersummit@eot.gov, www.nsf.gov/od/ea/activities/gendersummit
in Mexico: CONACyT, summitc5d census@conacyt.mx, (Mex) +52 55 51 22 77 00 Ext. 1778, www.conacyt.mx
in Europe: Portis Ltd, summit@portisweb.org.uk, (UK) +44 207 267-5348, www.portisweb.org.uk/index.php/gender-summit
# Summit Logistics

## Summit-at-a-Glance

**Pre-Summit: Tuesday, November 12, 2013**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:00 PM</td>
<td>Registration Desk Open</td>
<td>Terrace Foyer</td>
</tr>
</tbody>
</table>

**Day 1: Wednesday, November 13, 2013**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM</td>
<td>Registration Desk Open</td>
<td>Terrace Foyer</td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Welcome</td>
<td>International Ballroom</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>Video Addresses from European Leaders</td>
<td>International Ballroom</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Keynote Address</td>
<td>International Ballroom</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Plenary Panel: Development of a Collective Commitment to Strengthen Human Capital Development, Research, and Innovation Through Diversity</td>
<td>International Ballroom</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>12:00 PM</td>
<td>Plenary Panel: Development of Joint Policies for Innovation and Partnership in STEM Higher Education as a Means of Widening Access to Knowledge</td>
<td>Crystal Corridor Ballroom</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>Keynote Address and Lunch</td>
<td>International Ballroom</td>
</tr>
<tr>
<td>2:45 PM</td>
<td>Plenary Panel: Evidence of How Incorporating Sex and Gender Consideration into STEM Research and Innovation Informs Policy</td>
<td>Crystal Corridor Ballroom</td>
</tr>
<tr>
<td>4:45 PM</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Evening Keynote Address</td>
<td>Terrace West</td>
</tr>
<tr>
<td>5:30 PM</td>
<td>Evening Reception; Networking &amp; Posters</td>
<td>Terrace West</td>
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**Day 2: Thursday, November 14, 2013**

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<thead>
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<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM</td>
<td>Registration Desk Open</td>
<td>Crystal Corridor</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Keynote Address</td>
<td>International Ballroom</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Plenary Panel: Harnessing the Gender Dimension to Address Global Scientific and Societal Challenges</td>
<td>International Ballroom</td>
</tr>
<tr>
<td>9:45 AM</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Parallel Sessions: Stream 1 – Diversity in Participation</td>
<td>Breakout Rooms</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>Keynote Address and Lunch</td>
<td>International Ballroom</td>
</tr>
<tr>
<td>12:30 PM</td>
<td>Break &amp; Poster Exhibition</td>
<td></td>
</tr>
<tr>
<td>1:00 PM</td>
<td>Parallel Roadmap Development Sessions</td>
<td>Breakout Rooms</td>
</tr>
<tr>
<td>2:30 PM</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>3:00 PM</td>
<td>Plenary Session: Gender Roadmap for Research and Innovation Systems; Addressing the Needs of Different Stakeholders</td>
<td>Crystal Corridor</td>
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**Day 3: Friday, November 15, 2013**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>8:00 AM</td>
<td>Registration Desk Open</td>
<td>Crystal Corridor</td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Parallel Sessions: Stream 2 – The Gender Dimension in the Research Continuum</td>
<td>Breakout Rooms</td>
</tr>
<tr>
<td>10:30 AM</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Parallel Sessions: Best Practice Training Workshops</td>
<td>Breakout Rooms</td>
</tr>
<tr>
<td>12:30 PM</td>
<td>Working Lunch</td>
<td>International Ballroom</td>
</tr>
</tbody>
</table>

For more information go to [www.gendersummit.com](http://www.gendersummit.com) and visit the online community at [www.gender-summit2013.pathable.com](http://www.gender-summit2013.pathable.com)
NSF Strategic Plan for Fiscal Year 2011-
Representative NSF Portfolio

International and Integrative Activities
Biological Sciences
Computer & Information Science & Engineering
Education & Human Resources
Engineering
Geosciences
Mathematics & Physical Sciences
Social, Behavioral & Economic Sciences
Recent Reports
Structural change in research institutions: Enhancing excellence, gender equality and efficiency in research and innovation

http://www.portal.advance.at.edu/
The White House and National Science Foundation Announce New Workplace Flexibility Policies to Support America’s Scientists and Their Families

First Lady Michelle Obama spoke at a White House event about the importance of supporting and retaining women and girls in STEM careers. At this East Room event, the NSF launched the Career-Life-Balance Initiative.

First Lady Michelle Obama speaking at the White House in connection with the launch of the initiative. Official White House photo.
- Research on Gender
- Gendered Innovations
- Gender Diversity in STEM
- Gender Neutral/Sensitive Policies
- Gender Considerations for Scientific Efficiency and Impact
Gender-Focused Multi-National Collaboration(s)

Knowledge Generation & Translation

Excellence, Empowerment and Equality in Systems and Processes

The Gender Dimension

Talent Development and Advancement

Transformation of Academic Institutions & Federal Agencies
Examples

- STEM Frontier Gendered Research
  - Interdisciplinary and International Perspectives

- Capabilities for Virtual STEM Global Engagement of Young Girls and Female Researchers
  - Networking inclusive vertical and horizontal communities
Development of a Collective Commitment to Strengthen Human Capital Development, Research and Innovation Through Diversity

- European Commission (EC)
  - Dominique Ristori
- Natural Sciences and Engineering Research Council of Canada (NSERC-CRSNG)
  - Isabella Blain
- The National Council on Science & Technology
  - Julia Tagüeña