

## VIRTUAL MENTORING NETWORK

**Electronic video and audio professional development resources for senior women faculty in science and engineering**

### TOPIC: ROLE MODELS AND MENTORS

Title	URL and Description
<a href="#">HER STORY: NOW - Pioneers of the Future in Science, Technology, Engineering and Mathematics</a>  <a href="#">Women in Science, Technology, Engineering and Mathematics: Their Role Models and Mentors</a>	<p>Several distinguished female scientists share their personal stories of how they came to be in their chosen fields, and what influence if any, role models played in guiding them to their already successful careers. This story features interviews with: Dr. Saavik Ford, Carnegie Fellow, Department of Terrestrial Magnetism, Carnegie Institution of Washington, Washington, D.C.; Dr. Carrie Blank, Professor of Molecular Geomicrobiology, Washington University, St. Louis, Missouri; Dr. Luann Becker, Geology Professor, University of California, Santa Barbara, California; Dr. Judy Franz, Executive Officer, American Physical Society; Dr. Veronica Kemmler, Marine Biologist, Executive Director, Citizen's Environmental Research Institute , Long Island, New York; <b>Dr. Barbara Whitten, Professor of Physics and Women's Studies, Colorado College, Colorado Springs, Colorado [Alliance #4].</b></p>
<a href="#">HER STORY: NOW - Pioneers of the Future Technology, Engineering and Mathematics</a>  <a href="#">Bridging the Science Gender Gap and Impacting Women's Colleges in the U.S.: The Women's College Coalition</a>	<p>Women's colleges across the country statistically graduate more women into high-tech, high-paying discipline fields. Many of the top liberal arts colleges for women are actively seeking to redress the imbalance. They've formed the Women's College Coalition to network universities across the U.S. to enhance women's educational opportunities. Many of these colleges embrace empowerment philosophies that allow women to explore disciplines without restriction or being choked by stereotypes. This story features interviews with: Mary Brown Bullock, President, Women's College Coalition and President, Agnes Scott College, Decatur, Georgia; Nancy Vickers, President, Bryn Mawr College, Bryn Mawr, Pennsylvania; Judith Shapiro, President, Barnard College, New York City, NY; and Catherine Jordan, Goldwater Scholarship Recipient, Biology/Pre-Med student, Agnes Scott College.</p>
<a href="#">HER STORY: NOW - Pioneers of the Future Technology, Engineering and Mathematics</a>	<p>Many top university engineering and science programs today are missing a critical component....women professors. Despite increasing numbers of women studying</p>

<a href="#">Retaining Women Professors in Science and Engineering Programs: Improving Diversity and Learning</a>	<p>science and engineering, a recent study reveals that these women are not ending up in faculty positions at engineering schools. This story looks at the ways top colleges are retaining women professors in their science and engineering departments, improving diversity and learning. This story features interviews with: Irene Miller, Manager, Faculty Diversity, School of Engineering, Massachusetts Institute of Technology, Cambridge, Massachusetts; Dr. Alice Agogino, Roscoe and Elizabeth Hughes Professor of Mechanical Engineering, and President, Association of Academic Women, University of California, Berkeley; and Dr. Christine Shoemaker, Joseph P. Ripley Professor of Engineering, School of Civil and Environmental Engineering, Cornell University, Ithaca, New York.</p>
<p><a href="#">PKAL's Café Scientifique</a></p> <p>The power and potential of mentors and mentoring as a tool for leadership development</p>	<p>A conversation with George "Barney" Forsythe, President— Westminster College and Marlene Moore, Powers Distinguished Professor of Biology— University of Portland</p>

**TOPIC: BARRIERS FACING WOMEN IN ACADEME**

Title	URL and Description
<p><a href="#">Women@Google present Sapna Cheryan</a></p>	<p>Sapna Cheryan discusses her research into the problems women face entering and remaining in the fields of CS and engineering as a part of the Women@Google series.</p>
<p><a href="#">“The Unfinished Agenda - Women in Science and Engineering” Regents' Lecturer Elga Wasserman: Women in Science and Engineering</a></p>	<p>Despite dramatic increases in the number of women earning advanced degrees in science and engineering, women remain scarce at the senior ranks in these disciplines in both industry and academia. Dr. Elga Wasserman, author of "The Door in the Dream" speaks about possible causes for this imbalance and suggests steps that can be taken in order to remove the barriers that persist.</p>

**TOPIC: LEADERSHIP**

<b>Title</b>	<b>URL and Description</b>
<a href="#">Women's Leadership: Importance of Networks Shared Leadership: The Value Women Leaders Bring</a>	Anita Brown-Graham, Director of the Institute for Emerging Issues (IEI) at North Carolina State University in Raleigh, interviewed by Judith Dobrzynski, at the Salzburg Global Seminar program on "Breaking the Glass Ceiling: Women in Politics and Business". Anita discusses the critical role that networks and networking play in supporting women's advancement and leadership.
<a href="#">Women and Power - Mechanisms to Advance Women's Leadership</a>	Laura Liswood, Secretary General, Council of Women World Leaders, Washington, DC; and Senior Advisor, Goldman, Sachs & Co., interviewed by Judith Dobrzynski at the Salzburg Global Seminar program on "Breaking the Glass Ceiling: Women in Politics and Business". Laura clarifies the real 'ceiling' and discusses various mechanisms that advance women's leadership.
<a href="#">PKAL's Café Scientifique</a> Defining faculty leadership: developing leaders within the ranks as teachers, scholars, and campus citizens	A conversation with Susan Sciame-Giesecke, Dean, School of Arts and Sciences–Indiana University Kokomo