

**Attendees at Women Leaders in Science, Technology, and Engineering +10 came to discuss their successes and obstacles.**

Americans, not just Europeans—are empowered to reach their full potential as leaders.” Princess Sumaya bint El Hassan, president of Jordan’s Royal Scientific Society, spoke forcefully at WLSTE+10 about the continuing imbalance in women’s access to leadership positions in science, not only in the Middle East but also globally.

“All of our societies remain deeply gendered, and men continue to benefit disproportionately from socioeconomic advance, whether in employment, opportunities to innovate, or research prospects,” Princess Sumaya said. “Ten years on,” she said, referring to the time that has elapsed since the first WLSTE was held, “we have lost much of another generation of women.”

Princess Sumaya pointed out that women make up only about 15% of the board members in the world’s biggest innovation hub, Silicon Valley.

Shirley Malcom, director of AAAS education and human-resources programs, also cited a stark illustration of gender inequity in a WLSTE+10 session on women scientists in leadership roles. Although women receive approximately half of the medical degrees awarded in the United States, she said, only 16% of medical school deans are women.

“So access is one thing. Leadership is another,” said Malcom.

Malcom listed interventions that can improve women’s participation in science, such as STEM education programs for girls, prizes that recognize women scientists, international collaboration among and recognition of women in science, women’s organizations and conferences, and programs that examine policies that keep women out of leadership roles.

Other speakers referred to a AAAS-organized initiative called SEA Change, which is designed to recognize and distinguish departments, colleges, and institutions of higher learning for their diversity and inclusion, including gender diversity—with bronze,

silver, and gold awards. The program was inspired by Athena SWAN in the United Kingdom. Institutions would voluntarily collect data, set goals, and develop action plans for improving their recruitment, hiring, and retention of diverse STEM faculty and their recruitment and success rates among diverse graduate and undergraduate STEM students.

In a WSF presentation, Princess Sumaya, who was instrumental in bringing the forum to Jordan, said that in her country and the Arab world, men and women have been working together in science “for a very long time.” She said, however, that like in many other places, the struggle for gender equity continues, and Jordan has begun implementing initiatives to, for instance, keep more talented women in the workforce after they graduate.

Éva Kondorosi said that research by the European Research Council, where she is a vice president, showed a problem in how women scientists perceive of or present their capabilities. More men say they can be “excellent leaders” and use “superlatives when they [talk] about themselves” on grant applications, while women find it difficult to speak “enthusiastically about themselves,” Kondorosi said.

Grace Naledi Pandor, South African science and technology minister, stressed the need to gather the data on women’s participation in order to implement effective solutions. “We should stop assuming that women are a minority,” Pandor said, “and ask why we aren’t using 50% of our talent.”

“We need to look at the presence, the performance, the impact, and the degree to which women are seen in the science sector and matter within science. Decisions rely on data.”

MacKenzie agreed, adding that it is necessary “to scrutinize the data and ask more questions,” examining which women still don’t have access, which fields of STEM are least attended by women, whether women are staying in the workforce and achieving leadership positions, and what is holding women back.

AAAS, MacKenzie said, “is committed to asking and answering those questions.”

## 2017 AAAS Fellows approved by the AAAS Council

In October 2017, the Council of the American Association for the Advancement of Science (AAAS) elected 396 members as Fellows of AAAS. These individuals will be recognized for their contributions to science and technology at the Fellows Forum to be held on 17 February 2018 during the AAAS Annual Meeting in Austin, Texas. Presented by section affiliation, they are:

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**Frazier Benya**, *The National Academies of Sciences, Engineering, and Medicine*  
**Roger Christianson**, *Southern Oregon Univ.*  
**Sybil Francis**, *Arizona State Univ.*  
**Chavonda Janeva Jacobs-Young**, *U.S. Department of Agriculture*  
**Russell Moy**, *Southeastern Universities Research Association*  
**Jason E. Rao**, *Health Security Partners*

### Section on Statistics

**Nicholas Jon Horton**, *Amherst College*  
**Eric D. Kolaczyk**, *Boston Univ.*  
**Hongzhe Li**, *Univ. of Pennsylvania Perelman School of Medicine*  
**Runze Li**, *Pennsylvania State Univ.*  
**Bhramar Mukherjee**, *Univ. of Michigan*  
**Douglas G. Simpson**, *Univ. of Illinois at Urbana-Champaign*  
**Rochelle E. Tractenberg**, *Georgetown Univ.*

## AAAS Council reminder

The next meeting of the AAAS Council will take place during the 2018 AAAS Annual Meeting in Austin, Texas, and will begin at 9:00 a.m. on 18 February 2018 at the Hilton Austin Hotel.

Individuals or organizations wishing to present proposals or resolutions for possible consideration by the council should submit them in written form to AAAS Chief Executive Officer Rush Holt by 10 January 2018. This will allow time for them to be considered by the Committee on Council Affairs at its winter meeting.

Items should be consistent with AAAS's objectives and be appropriate for consideration by the council. Resolutions should be in the traditional format, beginning with "Whereas" statements and ending with "Therefore be it resolved."

Late proposals or resolutions delivered to the AAAS chief executive officer in advance of the February 2018 open hearing of the Committee on Council Affairs will be considered, provided that they deal with urgent matters and are accompanied by a written explanation of why they were not submitted by the 10 January deadline. The Committee on Council Affairs will hold its open hearing at 2:30 p.m. on 17 February 2018 in the Hilton Austin Hotel.

# Science

## 2017 AAAS Fellows approved by the AAAS Council

*Science* **358** (6366), 1011-1014.  
DOI: 10.1126/science.358.6366.1011

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