

Jeanne Ferrante, Associate Dean, Jacobs School of Engineering and AV Chancellor, Faculty Equity, Academic Affairs  
Pamela Cosman, Professor and VC, Electrical and Computer ENG, Faculty Equity Advisor, Jacobs School of Engineering  
Present

## *“The Good, the Bad, and the Bias”*

# Gerri Richmond



Richard and Patricia H. Noyes Professor of Chemistry, University of Oregon

“Objectivity in research is a practice that we as scientists and engineers value in the design and performance of our experiments, the analysis of the resulting data and the dissemination of the results. It is the cornerstone of good science and engineering. The down side is that total objectivity can never be achieved given that we are also human. Consequently, we bring into the workplace inherent biases that we often don’t recognize in evaluating everything from experimental design, to hiring and promoting colleagues and to grant proposals and manuscripts. This presentation is aimed at increasing our awareness of these biases, the negative impact that they can have developing strong and diverse departments and strategies for recognizing and reducing the impact of these biases on ourselves, our colleagues, and our departments.”—Gerri Richmond

**Wednesday, November 7<sup>th</sup>, 2012**

**1:00 p.m. – 2:00 p.m.**

**Qualcomm Conference Center, Jacobs Hall (ENG 1)**

Richmond’s research using laser spectroscopy and computational methods has focused on understanding the chemistry and physics that occurs at complex surfaces and interfaces that have relevance to important problems in energy production, environmental remediation, atmospheric chemistry and biomolecular surfaces. Over 180 publications have resulted from this research. Recent awards for her scientific accomplishments include a Guggenheim Fellow (2007), the Bomem–Michaelson Award (2008), the ACS Joel Henry Hildebrand Award in the Theoretical and Experimental Chemistry of Liquids (2011), and the Davisson–Germer Prize for Atomic and Surface Physics by the American Physical Society (2013). She is a Fellow of the American Physical Society (APS), the American Chemical Society, the American Association of the Advancement of Science (AAAS), and The Association for Women in Science (AWIS) and the Association of Applied Spectroscopy. She is a member of both the American Academy of Arts and Sciences and the U.S. National Academy of Sciences. Richmond’s most recent appointments include the Secretary of Energy’s Hydrogen and Fuel Cell Advisory Committee and Associate Editor of Annual Reviews of Physical Chemistry (2006–2010). She has testified on science issues before committees in the U.S. Senate, the U.S. House and the Oregon House of Representatives. She is the founder and chair of COACH, a grass-roots organization assisting in the advancement of women scientists in both the U.S. and in developing countries (<http://coach.uoregon.edu>). She has been honored for these efforts by the Presidential Award for Excellence in Science and Engineering Mentoring (1997), the American Chemical Society Award for Encouraging Women in the Chemical Sciences (2005), the Council on Chemical Research Diversity Award (2006), and the American Chemical Society Charles L. Parsons Award (2013).

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