Enhancing the Climate in Undergraduate Engineering

Workshop 2A Abstract: Saturday, 4/9, 9:30-10:45 am, Room: SEH 1220

Climate concerns the post-enrollment environment in which students are educated. How welcoming and supportive is it? Evidence indicates that the undergraduate engineering experience for women and students of color differs from that of majority students. Academic progression, choice of major, and degree completion are all impacted by the climate for learning and cultural understanding. This session will explore climate issues—implicit bias, stereotype threat, critical mass—and provoke discussion of possible remedies sought and tried by attendees.

Workshop Presenter:

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Daryl E. Chubin is an independent consultant living in Savannah, Georgia. From 2004-2011, he was Founding Director of the Center for Advancing Science & Engineering Capacity at the American Association for the Advancement of Science in Washington, DC. Prior to that, he was Senior Vice President at the National Action Council for Minorities in Engineering in New York City after nearly 15 years in federal service at the National Science Board, the National Science Foundation, and the White House Office of Science and Technology Policy. He began his federal career in 1986 at the congressional Office of Technology Assessment after serving on the faculty of four universities, achieving the rank of Professor at the Georgia Institute of Technology, and as Adjunct Professor in Cornell University’s Washington Program (1991-2010).

Dr. Chubin is the author of eight books and numerous reports and articles on science and education policy and evaluation, career development, and structural changes in universities to improve access and success of underrepresented students and faculty. Today he advises universities and nonprofits on strategies to implement legally-sustainable programs that prepare students for a range of careers in science-based professions. He also co-chairs the annual conference on Understanding Interventions That Broaden Participation in Science Careers (www.understanding-interventions.org) and publishes columns on science, education, diversity, and workforce policy at www.MemberCentral.AAAS.org. He can be reached at daryl.chubin@comcast.net.