Communicating Science and Engineering through STEM Education and Outreach

As funding from the National Science Foundation becomes more and more competitive the need for well planned and impactful broader impacts projects take on greater and greater importance. It is a requirement that today’s scientists and engineers participate in programs that can effectively communicate the importance of their research. This seminar will focus on four education and outreach projects from the Institute for Chemical Education that exemplify the impact that well designed and implemented broader impacts projects can have on communicating STEM research topics. SCIENCountErs is a hands-on science and engineering outreach program that partners local universities and industry with their Boys & Girls Clubs to teach STEM topics. The Carbon Playground is an informal science and engineering climbable museum exhibit that teaches parents and children about the importance of structure versus function as it relates to forms of carbon. Research Experience for Undergraduates is a program designed to train a diverse next generation of STEM students through hands-on research and professional development activities. The Mentoring Catalyst Initiative is building a learning community of engineering researchers interested in strengthening mentoring of undergraduate and graduate students engaged in engineering research projects.

Tuesday, Sept. 6, 2016
Lecture at 4:00 p.m.
Room 1610, Engineering Hall
Refreshments will be served at 3:45 p.m.