Joint Seminar ISE/AE3: In the Mentor’s Mind: Examining the Experiences of African-American STEM Mentors in Higher Education

Professor Joi-Lynn Mondisa
University of Michigan
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4:00 pm
103 Transportation Building

Abstract

Examining the life histories and mentoring experiences of minorities such as African-American science, technology, engineering, and mathematics (STEM) mentors may assist in achieving national goals of increasing the numbers of underrepresented populations in STEM fields. In this study, I examined the individual experiences of exemplar African-American STEM mentors and their mentoring practices with their African-American protégés. Using qualitative methods, this research reveals insights about mentoring experiences and practices. In addition, this research offers a language for talking about these experiences which are not captured by existing literature.

Biography

Joi Mondisa is an Assistant Professor in the Industrial & Operations Engineering Department at the University of Michigan. She earned a B.S. in General Engineering at the University of Illinois at Urbana-Champaign, an M.B.A. at Governors State University, and an M.S. in Industrial Engineering and a Ph.D. in Engineering Education from Purdue University. In her research, Dr. Mondisa focuses on examining mentoring approaches, relationships, and intervention programs and designing and assessing learning experiences and outcomes. Previously, Dr. Mondisa worked in industry for ten years in the areas of manufacturing, operations, technical sales, and publishing.