

Engineering Beyond the Double Bind: Women of Color in Engineering Education and Careers

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This research project aims to contribute to the understanding of promising elements that lower barriers and diversify pathways to, and through, engineering education programs and beyond for African American, Latina, Native American, and Asian American women. The project has three tracks:

- (1) a synthesis of empirical research from the last 15 years on women of color in engineering education;
- (2) analysis of 150 narratives (life stories) by or about women of color in engineers; and
- (3) an interview study of 32 women of color undergraduates, graduate students, and early professionals in subfields in which they are most underrepresented: aerospace, civil, electrical, and mechanical engineering.

By producing a more systematic and comprehensive understanding about what helps and hurts young women of color in engineering education and early careers, findings from this project will practically guide educators and employers on how to diversify their STEM settings and thus cultivate a broader base of domestic talent.