

## **Kamau Bobb**

Fellow, National Academy of Engineering

*Ph.D., Georgia Institute of Technology*

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Kamau Bobb was awarded a post-doctoral research fellowship with the National Academy of Engineering in the Center for the Advancement of Scholarship in Engineering Education. His research focuses on the social building blocks of scientific and technological innovation. Through his work, Kamau examines the relationship between social inequity and student perceptions of their own abilities in mathematics and science.

Prior to that, Kamau was a graduate research assistant in the School of Public Policy at the Georgia Institute of Technology in Atlanta. He assisted in the investigation of the relationship between science and technology policy and social outcomes. His dissertation research explored the weakness of innovation theory as a prescriptive tool in developing countries. The colonial experience in the Caribbean has not only shaped the course of industrial development; but it has reconstructed the meaning and objectives of technological innovation. This research explored the nature of that meaning and determined its influence on the development of national innovation systems in the region. In 2000, he assisted in the analysis of innovation theory from perspectives of the "The South" as a Visiting Research Assistant at the Universidad de la Republica in Montevideo, Uruguay.

He also designed and taught a year-long course, the Image Laboratory, used in conjunction with 11th grade United States History at Tri-Cities High School in Atlanta. The course was designed to analyze the role of description in the formation of historical evidence.

Dr. Bobb has a Ph.D. in Science and Technology Policy from the Georgia Institute of Technology. He holds a M.S. and B.S. degree in Mechanical Engineering from the University of California at Berkeley.

### **Refereed Publications**

Cozzens, S., K. Bobb, K. Deas, S. Gatchair, A. George, G. Ordonez. (2005) "Distributional effects of science and technology-based economic development strategies at state level in the United States." *Science and Public Policy*, Vol. 32, No. 1, p. 29 – 38.

Cozzens, S., K. Bobb. (2003) "Measuring the relationship between high technology development strategies and wage inequality." *Scientometrics*, Vol. 58, No.2, p. 351 – 368.

Cozzens, S., K. Bobb, I. Bortagaray. (2002) "Evaluating the distributional consequences of science and technology policies and programs." *Research Evaluation*, Vol. 11, No. 2.

Bhatia, C. Singh, S. Anders, K. Bobb, R. Hsiao, D. Bogy, I. Brown (1998) "Ultra-Thin Overcoats for the Head/Disk Interface Tribology." *Journal of Tribology*, ASME, Vol. 120, 795 – 799.