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**Roni M Ellington\*** (roni.ellington@morgan.edu), 5112 Plymouth Road, Baltimore, MD 21214. *Understanding the Experiences African American Mathematics Scholars: A Success Based Framework to Promote and Cultivates Success and Persistence in Mathematics.*

This presentation will include a discussion of pivotal research on high achieving African American mathematics majors that examined the social and cultural factors that support African American mathematics majors' success and persistence in mathematics. Based on this research, a comprehensive success framework was developed and will be explored in this talk. This framework that is being used to encourage African American students to achieve and persist in mathematics and to provide students with the necessary educational, social and cultural and personal support needed to foster their success in the discipline.. Further, there will be a discussion of how the finding of this research and the success framework reflects the stories of highly successful African American mathematicians and a critical analysis of the salient themes that reflect the experiences of African American mathematicians throughout the Diaspora. The talk will end with recommendations as to how the mathematics community can implement this success framework in order to cultivate a diverse cadre of mathematicians and scholars. (Received July 25, 2013)