

1116-F5-2336 **Laura M Singletary*** (lsingletary@leeuniversity.edu) and **Debra L Mimbs.** *Developing Young Mathematicians: An Undergraduate and Secondary Collaboration.*

In this interactive session, Drs. Singletary and Mimbs will present the details of a mentorship program funded by the MAA's Dolciani Mathematics Enrichment Grant. The purpose of this program is twofold: to nurture an interest in mathematics in secondary students and to develop undergraduate mathematics majors as researchers and mentors. In this mentorship program, professors guide undergraduate students who in turn guide secondary students through a sequence of novel problems beyond Calculus I and into mathematical research. This process seeks to develop an appreciation for mathematics among secondary students by creating a deeper understanding of the major concepts learned in high school, constructing a knowledge base for secondary students that includes interesting topics not typically covered in the school mathematics curriculum, and producing college graduates who have served the mathematical community and have developed a love for such service. (Received September 22, 2015)