

1145-00-1296      **Sean Lawton** (slawton3@gmu.edu), **Jack Love\*** (jlove6@gmu.edu) and **Anton Lukyanenko** (alukyane@gmu.edu). *Mason Experimental Geometry Lab: Overview and Community Engagement.*

In this talk, we will provide a brief overview of the structure of the Mason Experimental Geometry Lab, including research, visualization, and community engagement.

We will focus the talk on our outreach program, which has grown in the past 4 years to engage over 1,000 students per year in small-group activities at Northern Virginia schools, public libraries, and beyond. We will discuss how we develop the network that brings us to these venues, as well as how we develop age-specific activities that foster excitement in mathematics.

We will conclude with future directions for the growth of the lab and its outreach program. (Received September 20, 2018)