

1145-00-1291 **Sean Lawton*** (slawton3@gmu.edu) and **Anton Lukyanenko** (alukyane@gmu.edu). *Geometry Labs United: Welcome and Overview.*

The purpose of a Geometry Lab is to foster a community of mathematics researchers involving undergraduate students, graduate students, and faculty—and to recruit future researchers through public engagement. Geometry Labs United brings together individual labs from universities around the United States to share institutional experience and resources, and to encourage the development of new labs at other universities.

At this special session, we will begin by giving an overview of the Geometry Labs United network and the general structure of a geometry lab. The rest of the day includes expository talks by representatives for each of the ten labs. The day culminates in a panel session on starting and running a geometry lab.

We welcome everyone interested in undergraduate research and outreach to join our session, and encourage them to take a look at the October 2018 AMS Notices article "Geometry Labs United: An Invitation". (Received September 20, 2018)