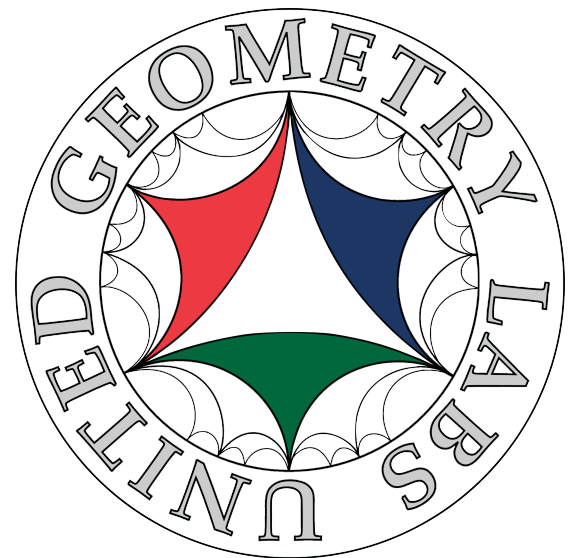


# Online Seminar on Undergraduate Mathematics Education

**From students to researchers and communicators:  
experimental geometry lab and in-class active learning**

**Anton Lukyanenko, George Mason**

The Mason Experimental Geometry lab is the cornerstone of the mathematics outreach and under-graduate research efforts at George Mason University. While the outreach team engages up to 1000 students per semester in highly-interactive small-group activities, multiple research teams give both beginning and advanced students a chance to contribute to research under the guidance of a graduate student and faculty mentor. In this talk, I will focus on the structure and benefits of the lab, as well as variations on the model at the universities of Maryland, Illinois, and Michigan – all members of the rapidly growing Geometry Labs United network (see also our website and upcoming conference). As time permits, I will also talk about other department initiatives that synergize with the lab and promote student self-identification as researchers and communicators, including active learning, flipped classrooms, standards-based testing, and oral exams.



**Noon ET, February 24, 2026**

Zoom link: <https://cornell.zoom.us/j/92415199317>, passcode olsume

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