

Topical Workshop

■ JULY 16-17, 2020

Geometry Labs United Conference

Organizing Committee:

William Goldman, University of Maryland

Sean Lawton, George Mason University

Jack Love, George Mason University

Anton Lukyanenko, George Mason University

Experimental geometry labs create an environment ripe for students and faculty to treat mathematics as a laboratory science. Visualization and computational pattern discovery help guide research, formulate conjectures and develop ideas in proofs. In addition to research, experimental geometry labs foster community engagement via grassroots outreach activities in local schools, libraries, and museums. These activities spread the wonder and excitement of mathematics to people both within and outside the academy.

For this workshop, ICERM welcomes applications from undergraduates, graduates, postdocs and faculty who wish to participate. Undergraduate students and graduate students who apply must have their advisor submit a statement of support in order to be considered.

Undergraduates are invited to present their work in a virtual poster session, and lab directors are invited to give a brief statement about their labs.

This workshop is partially supported by the Department of Mathematical Sciences and the College of Science at George Mason University.

Plenary Speakers:

Moira Chas, Stony Brook University

David Dumas, University of Illinois at Chicago

Evelyn Sander, George Mason University

Rich Schwartz, Brown University



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Participation

Most ICERM workshops are aimed at scientists and students who are actively involved in the topic of the workshop. To request an invitation to an ICERM workshop, please complete an online application. Decisions about online applications are typically made several weeks before the workshop. ICERM encourages women and members of underrepresented minorities to apply. More information and an application form are available on our website.

About ICERM

The Institute for Computational and Experimental Research in Mathematics (ICERM) is a National Science Foundation Mathematics Institute at Brown University in Providence, RI. Its mission is to broaden the relationship between mathematics and computation: specifically, to expand the use of computational and experimental methods in mathematics, support theoretical advances related to computation, and address problems posed by the existence and use of the computer through mathematical tools, research and innovation.

ICERM

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