

# Combinatorial Algebraic Geometry

February 1 - May 7, 2021

## ORGANIZING COMMITTEE

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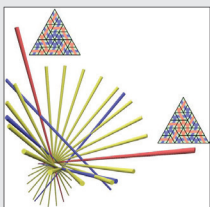
**Thomas Lam**, University of Michigan

**Leonardo Mihalcea**, Virginia Polytechnic Institute

**Sam Payne**, University of Texas at Austin

**Lauren Williams**, Harvard University

## PROGRAM DESCRIPTION



Research in combinatorial algebraic geometry utilizes combinatorial techniques to answer questions about geometry. It also uses geometric methods to provide powerful tools for studying combinatorial objects.

Much research in combinatorial algebraic geometry relies on mathematical software to explore and enumerate combinatorial structures and compute geometric invariants. Writing the required programs is a considerable part of many research projects. The development of new mathematics software is therefore prioritized in the program.

This program will bring together experts in both pure and applied parts of mathematics as well mathematical programmers, all working at the confluence of discrete mathematics and algebraic geometry, with the aim of creating an environment conducive to interdisciplinary collaboration.



# ICERM

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