



INSTITUTE FOR MATHEMATICS  
AND ITS APPLICATIONS

IMA  
Special  
Workshop

JULY 22-26, 2019

# SageMath and Macaulay2 - An Open Source Initiative

This meeting will bring together developers from the Macaulay2 and Sage communities to discuss, design, and implement new algorithms and computational tools that will be of use to scientists and industry professionals. All software developed during the workshop will be made freely available as part of the open-source mathematics software systems Macaulay2 and Sage. Themes of the workshop include algebraic geometry, commutative algebra, representation theory, combinatorics, and optimization. The workshop will include talks on target features and the logistics of Macaulay2 and Sage development, as well as working groups on a variety of participant-driven themes.

## ORGANIZERS

**Christine Berkesch**, University of Minnesota

**Anton Leykin**, Georgia Institute of Technology

**Gregg Musiker**, University of Minnesota

**Anne Schilling**, University of California, Davis

## SPEAKERS / GROUP LEADERS

(CONFIRMED)

**Justin Chen**, Georgia Institute of Technology

**Emily Gunawan**, University of Connecticut

**Yang-Hui He**, University of London

**Matthias Koepp**, University of California, Davis

**Robert Krone**, University of California, Davis

**Jacob Matherne**, Institute for Advanced Study

**Laura Felicia Matusevich**, Texas A & M University

**Dylan Rupel**, Michigan State University

**Franco Saliola**, Université du Québec à Montréal

**Steven Sam**, University of California, San Diego

**Gregory Smith**, Queen's University

**Michael Stillman**, Cornell University

**Jessica Striker**, North Dakota State University

**Jay Yang**, University of Minnesota

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