

Pacific Institute *for the*
Mathematical Sciences

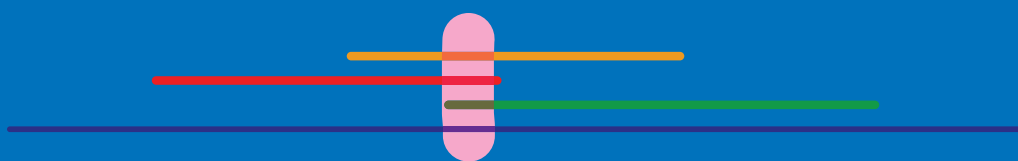
2016 Hugh Morris Lecture

Voting in Agreeable Societies

Francis Su

Harvey Mudd College

President of the Mathematical Association of America



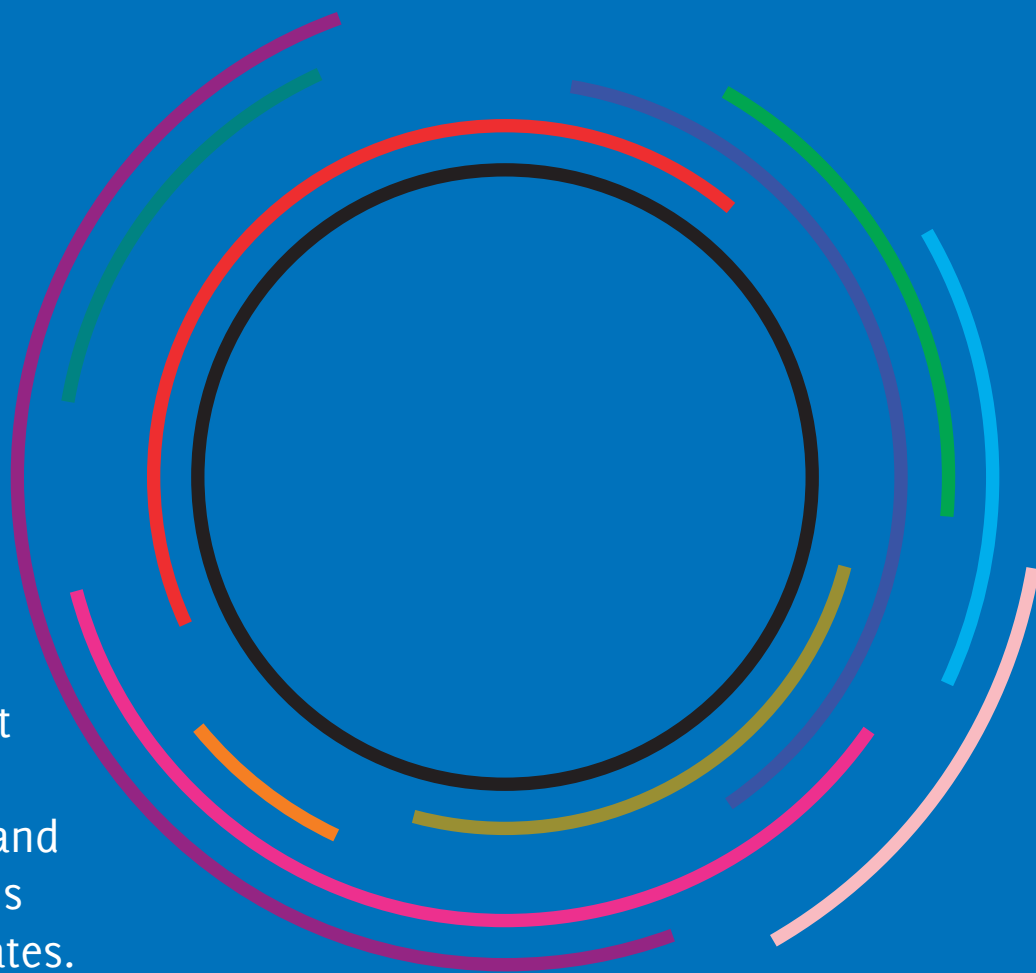
September 29, 2016

University of Victoria

Bob Wright Centre, room B150

6:30 pm

When does a majority exist? How does the geometry of the political spectrum influence the outcome? What does mathematics have to say about how people behave? When mathematical objects have a social interpretation, the associated results have social applications. We will show how some classical mathematics about the geometry of sets and their intersections can be used to model people's preferences and understand voting in *agreeable* societies. This talk also features research with undergraduates.



This PUBLIC LECTURE is open to the university community and beyond, with a special invitation to high school students and educators. Please distribute widely!

The **Hugh Morris Lecture Series** has been generously endowed by Dr. Hugh Morris (1932-2012), former Chair of the PIMS Board of Directors, and long-time friend of the mathematical sciences. Dr. Morris had more than 40 years of experience in the mineral industry, including a term as Chairman and Chief Executive Officer of Imperial Metals, and was a fellow of the Royal Society of Canada. Dr. Morris was a member of NSERC's Council and Chairman of the Board of Directors of the Lithoprobe Project.