

Outline of the Conference

The focus of this conference was on Schubert calculus and its many connections and applications to related areas of mathematics, such as geometric representation theory, combinatorial aspects of algebraic varieties arising in Lie theory, and equivariant topology. One of our primary aims was to inspire cross-disciplinary discussion and to invite mathematicians to explore the field of Schubert calculus. The first week of the meeting consisted of an introductory summer school aimed at a broad mathematical audience, including graduate students and recent Ph.D.s. The second week was an international research conference on Schubert calculus and related areas.

The total number of participants was 158, with representation from throughout the world. For the first week of the meeting, from July 17 to 20, 2012, there were 5 introductory courses of 4 lectures each. For the second week of the meeting, from July 23 to 27, we hosted a major research workshop with a total of 21 invited speakers. During the week of the summer school, we also organized special sessions for research presentations by junior researchers, as well as a poster session; both events were lively and well-attended. We also hosted a panel discussion on issues facing female researchers. The conference website is below.
<http://mathsoc.jp/meeting/msjsi12/>

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The Mathematical Society of Japan

Osaka City University

Kyoto University Global COE Program “Fostering top leaders in mathematics - broadening the core and exploring new ground”

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