

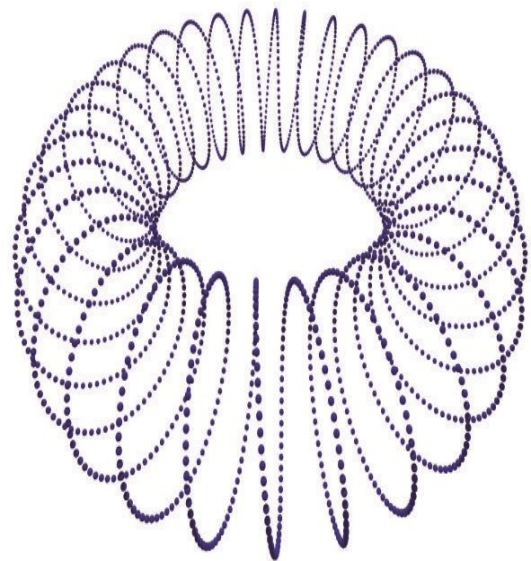
Pacific Institute for the
Mathematical Sciences

PIMS Distinguished Speakers Series

KRISTINE BAUER

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PIMS Site Director

Department of Mathematics & Statistics
University of Calgary



Title: The Emergence of Applied Topology

Abstract: Topology - the study of surfaces and other shapes - is a relatively young field in mathematics, having only been established as a discipline around 1900. Most mathematicians would consider topology to be firmly grounded as a subdiscipline of pure mathematics rather than applied mathematics. However, over the last decade or two applications of topology to computer science, biology, physics, engineering and other fields have emerged at an increasing rate. In this talk, I will introduce applied topology and explain this as an example of a field of pure mathematics becoming related to society in a way which was not predicted by its ancestors.

BIO: Dr. Kristine Bauer obtained her PhD from the University of Illinois in 2001. Her primary research area is algebraic topology and she is one of the founding members of the Women in Topology network, which seeks to increase the visibility and retention of women in the field by involving them in high-quality collaborative research projects. She has been recognized with the Faculty of Science Excellence in Teaching Award and the GREAT Supervisor Award at the University of Calgary. Dr. Bauer is also the newly appointed PIMS site director at the University of Calgary.

Friday—March 1, 2019

12:00 to 12:50 pm

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