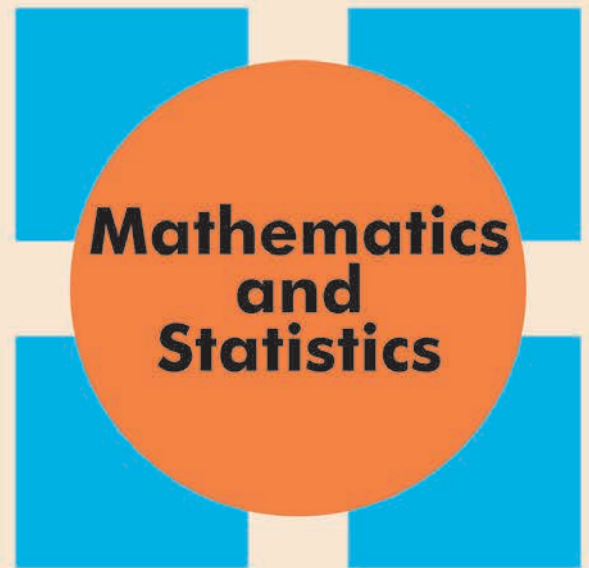


COLLOQUIUM

**José Gabriel Carrasquel
Vera**

Adam Mickiewicz University,
Poland

Survey on topological complexity



Date: November 02, 2018

Time: 3:30 - 4:30 PM

Room: RI 208

Abstract: Topological complexity is a numerical invariant of the homotopy type of spaces. It was introduced by Michael Farber in 2002 as a way to measure the motion planning complexity of mechanical systems. We will explore this concept and overview the tools used to compute it. We will also expose variations of it and finally give an alternative viewpoint on the whole philosophy of topological complexity.