

Adam Mickiewicz University
Faculty of Mathematics and Computer Science

GEOMETRY AND TOPOLOGY SEMINAR

12 AM, Tuesday, Feb 28, 2017
B1-37, Collegium Mathematicum

Speaker: Petar Pavešić (University of Ljubljana)

Title: **Topological complexity of a fibration**

Abstract:

Topological complexity of a map was devised in order to study the manipulation complexity of a mechanical device with a given forward kinematic map. Since kinematic maps that appear in robotics normally have singularities, the resulting concept is not homotopy invariant. However, if the map under examination is indeed a fibration, then the theory assumes a more homotopy-theoretic flavor.