

**Adam Mickiewicz University**  
**Faculty of Mathematics and Computer Science**

GEOMETRY AND TOPOLOGY SEMINAR

13:45 AM, Tuesday, June 26, 2018  
B1-37, Collegium Mathematicum

**Speaker:** Marco Zambon (Leuven)

**Title:** Deformations of geometric structures

**Abstract:**

We will survey results (some of them classical) on the space of small deformations of a given geometric structure, i.e. on the space of nearby structures of the same kind. Often this space is parametrized by the Maurer-Cartan elements of an associated differential graded Lie algebra or, more generally, of an L-infinity algebra. We will mainly focus on deformations of foliations, but also discuss briefly other examples such as symplectic forms and complex structures.