

## *Gauge theory and exceptional geometry*

### Abstract:

The purpose of this talk is to give a glimpse at some recent developments in exceptional geometry. Such geometry is intimately related to octonions and is of interest both in mathematics and in physics. Using insights from low dimensional topology, one can study exceptional geometry with the help of gauge theory. I will outline some new phenomena arising in this context.

**Prof. Dr. Andriy Haydys**