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**Seminar of the Department of Mathematics and Statistics, University of Cyprus**

Room: 037, ΣΘΕΕ01. Date: 17/01/2018 Time: 11:00

**Speaker:** Artem Pulemotov  (University of Queensland)

**Title :** The prescribed Ricci curvature problem on homogeneous spaces.

**Abstract:**

We will discuss the problem of recovering the ‘’shape" of a Riemannian manifold M from its Ricci curvature. After reviewing the relevant background and the history of the subject, we will focus on the case where M is a homogeneous space for a compact Lie group.