

## **Abstract**

Oberwolfach Workshop:

### **Manifolds and Groups**

Dates:

**9 - 15 February 2020** (Code: 2007)

Organizers:

**Clara Löh, Regensburg**

**Oscar Randal-Williams, Cambridge UK**

**Thomas Schick, Göttingen**

This workshop will concentrate on the interplay of advances in the understanding of manifolds and of geometric group theory. In particular, we will discuss mapping class groups and moduli spaces of manifolds (also of high dimension), and aspects of homological stability related to them; cobordism categories and their applications;  $L^2$ -invariants, simplicial volume, and their applications; and in general, the phenomena of rigidity versus flexibility in geometry and topology.