

**Joachim Lohkamp (Universität Münster):**

*Positive scalar curvature in  $\dim \geq 8$*

*Abstract:* We announce a first series of new results and techniques extending the scope of applications of minimal hypersurfaces in scalar curvature geometry. For instance, the restriction to dimension  $\leq 7$  which arises from subtle analytic problems in higher dimensions is entirely removed.