On formality of Kaehler orbifolds and Massey products of Sasakian manifolds

Aleksy Tralle

University of Warmia and Mazur, Poland tralle@matman.uwm.edu.pl

The talk is based on the joint work with Indranil Biswas, Marisa Fernández and Vicente Muñoz.

Session: Geometry and Topology of Manifolds

In the talk I will answer the question posed by Boyer and Galicki: do Massey products yield obstructions to the existence of Sasakian structures on simply connected closed manifolds? We answer this question in positive, proving that all higher order Massey products on simply connected Sasakian manifolds vanish.