BEN MCADAM, University of Calgary
Involution Algebroids

We define involution algebroids which generalize Lie algebroids to the abstract setting of tangent categories. As a part of this generalisation, the Jacobi identity which appears in classical Lie theory is replaced by an identity similar to the Yang-Baxter equation. Every classical Lie algebroid has the structure of an involution algebroid and every involution algebroid in a tangent category admits a Lie bracket on the sections of its underlying bundle.

This is joint work with Matthew Burke.