

# Classification of representations of reduced stated skein algebras

*vendredi 24 mars 2023 09:45 (45 minutes)*

In this talk, I will introduce a family of algebras named reduced stated skein algebras and present a classification of their finite dimensional (semi-weight) representations.

These representations are conjectured to be the building blocks of some  $SL_2$  TQFT which extend some constructions of Blanchet-Costantino-Geer-Patureau Mirand and Baseilhac-Benedetti.

If time permits, I will explain how we can deduce from this classification some projective representations of the mapping class groups and some new links invariants. This is a joint work with H.Karuo.

**Orateur:** Dr KORINMAN, Julien