SEMPARIS – Séminaires en région parisienne

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TBA

Lundi 2 Mars 2020, 15 :30
IHES, Centre de conférences Marilyn et James Simons(Séminaire Géométrie et Quantification)
Domaines : math

Titre : *Koszul Duality for Lie Algebroids*

Orateur : **Joost-Jakob Nuiten (Montpellier)**

Résumé : *A classical principle in deformation theory asserts that any formal deformation problem over a field of characteristic zero is classified by a differential graded Lie algebra. Using the Koszul duality between Lie algebras and commutative algebras, Lurie and Pridham have given a more precise description of this principle : they establish an equivalence of categories between dg-Lie algebras and formal moduli problems indexed by Artin commutative dg-algebras. I will describe a variant of this result for deformation problems around schemes over a field of characteristic zero. In this case, there is an equivalence between the homotopy categories of dg-Lie algebroids and formal moduli problems on a derived scheme. This can be viewed as a derived version of the relation between Lie algebroids and formal groupoids.*