

# Seminário de sistemas dinâmicos e estocásticos

Departamento de Matemática - IMECC - UNICAMP

## Vector bundles over Lie groupoids

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### Resumo:

Lie groupoids are geometric objects which include several geometric structures as particular instances (e.g. Lie groups, manifolds, Lie group actions, regular foliations and principal bundles among others) and provide a conceptually clear framework to deal with moduli problems. In this talk, we will discuss the notion of a vector bundle over a Lie groupoid and we will show several examples. Then, we will focus on the relation between these objects and representation theory for Lie groupoids. If time permits, we will also explain how Lie theory does work in this setting

**Data:** Sexta-feira, 7 de novembro de 2014, 14:00hs.

**Local:** Sala 321 do IMECC.

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