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**Brylinski's sheaf complex for proper Lie groupoids**

**Abstract**

In this talk we generalize Brylinski's sheaf complex from  $G$ -manifolds to proper Lie groupoids. Moreover, we explain the connection between this complex and the cyclic homology theory of the convolution algebra of the underlying proper Lie groupoid. The talk is on joint work with H. Posthuma and X. Tang.

Talk time: 07/22/2016 3:00PM— 07/22/2016 3:20PM

Talk location: Cupples I Room 115

Special Session: Non-commutative geometry. Organized by X. Tang.