**DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
UNIVERSITY OF SOUTHERN DENMARK, ODENSE**

Mathematics seminar

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The gauge group of a noncommutative principal bundle and twist deformations

Thursday 20 September 2018, 14:15-15:15
IMADA seminar room

Abstract

In noncommutative geometry Hopf-Galois extensions of algebras are regarded as principal bundles, with Hopf algebras playing the role of structure groups. This seminar will describe a general theory of deformation quantization of Hopf-Galois extensions via Hopf 2-cocycles (Drinfeld twists) and present recent results on the study of the group of gauge transformations in this framework.

Host: David Kyed