

Algebra Seminar

Speaker:

**Dr. Yorck Sommerhäuser,
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Wednesday, November 16, 2016

1:00 p.m., HH-3017

Yetter-Drinfel'd Hopf Algebras and Their Associated Algebras I

Abstract:

With each Yetter-Drinfel'd Hopf algebra, one can associate a variety of algebras, most prominently the Radford biproduct, but sometimes also a Hopf algebra with triangular decomposition, which appears in the construction of deformed enveloping algebras, its dual, and similar algebras. In the talk, we introduce new algebras of this kind and discuss their interrelation with the old ones.