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Yorck Sommerhäuser* (sommerh@mun.ca), Memorial University of Newfoundland, Department of Mathematics and Statistics, St. John's, NL A1C 5S7, Canada. *Yetter-Drinfel'd Hopf Algebras and Their Associated Algebras.*

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 discuss these algebras and their interrelation. (Received September 18, 2016)