

1135-16-445 **Akira Masuoka*** (akira@math.tsukuba.ac.jp), Ten-ou-dai 1-1-1, Tsukuba, Ibaraki 305-8571.
Survey on Hopf crossed products.

Hopf crossed products in their fully generalized form were introduced by R. Blattner, M. Cohen and S. Montgomery (1986). I will review the progress of Hopf-algebra Theory related with those crossed products, which includes various examples of closed embeddings of quantum groups as well as the construction of quantized enveloping algebras using 2-cocycle deformation. (Received September 04, 2017)