1041-19-139 **Constantin Dorin Dumitraşcu*** (`dumitras@math.arizona.edu`), Mathematics and Statistics, Northern Arizona University, Flagstaff, AZ 86011-5717, and **Radu Popescu**. *Equivariant KK-theory for groupoid actions and C^*-extensions.*

Pierre Yves Le Gall introduced an equivariant KK-theory for C^*-algebras acted upon by groupoids. It generalizes the RKK-theory of Gennadi Kasparov and was used for proving some cases of Novikov and Baum-Connes conjectures. We give a description of this theory using equivariant extensions of C^*-algebras. (Received August 08, 2008)