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Alexander A. Katz (katza@stjohns.edu), St. John's University, Department of Mathematics & Computer Science, 300 Howard Ave., DaSilva Academic Center 314, Staten Island, NY 10301, and **Roman Kushnir*** (kushnir_roman@yahoo.com), University of South Africa, Department of Mathematical Sciences, P.O. Box 392, Pretoria, 0003, South Africa. *On measurable bundles of real C^* -algebras.*

We introduce and study real C^* -algebras over $L_0(\Omega)$ (real $*$ -Banach-Kantorovich algebras over the ring on all measurable functions whose norm satisfies conditions similar to those of real C^* -algebras). It is shown that each such algebra admits a unique up to real $*$ -isometry representation by means of a measurable bundle of real C^* -algebras with vector-valued lifting. (Received August 16, 2010)