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**Alexander A Katz** ([katza@stjohns.edu](mailto:katza@stjohns.edu)), St. John's University, Dep. of Math & CS, 300 Howard Ave., DaSilva Hall 335, Staten Island, NY 10301, **Oleg Friedman\*** ([friedman001@yahoo.com](mailto:friedman001@yahoo.com)), University of South Africa, Department of Mathematical Sciences, P.O. Box 392, 0003 Pretoria, South Africa, **Roman Kushnir** ([kushnir\\_roman@yahoo.com](mailto:kushnir_roman@yahoo.com)), St. John's University, Dep. of Math & CS, 300 Howard Ave., DaSilva Hall, Staten Island, NY 10301, and **Mark Ustayev** ([mark\\_ustayev@yahoo.com](mailto:mark_ustayev@yahoo.com)), University of South Africa, Department of Mathematical Sciences, P. O. Box 392, 0003 Pretoria, South Africa. *On real locally Hilbert spaces and Gelfand-Naimark type theorems for projective limits of real and Jordan operator algebras.*

We introduce real locally Hilbert spaces as inductive limits of families of real Hilbert spaces and prove Gelfand-Naimark type theorems for projective limits of real  $C^*$ -, JB-, real  $W^*$ - and JBW-algebras in the algebras of continuous linear operators acting on real locally Hilbert spaces. (Received August 07, 2005)