Bernard Russo (University of California, Irvine):
On contractively complemented subspaces of C^*-algebras

Abstract: In joint work with Matthew Neal, Jordan algebraic techniques are used to prove that an atomic, contractively complemented subspace of a JC^*-triple is a 1-mixed injective operator space. As an application we obtain the following theorem.

Theorem Let A be a C^*-subalgebra of B(H) and suppose P is a contractive projection on A with finite dimensional range X. Then there is a contractive projection Q on B(H) with range X. If P is commpletely contractive, then Q extends P.