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Adam H. Fuller, Michael Hartz* (mphartz@wustl.edu) and **Martino Lupini**. *Rectangular boundary representations and rectangular matrix convexity.*

Boundary representations in the sense of Arveson are the noncommutative analogue of the Choquet boundary of a uniform algebra. They play an important role in the theory of operator systems and operator algebras. I will talk about boundary representations for operator spaces, which can be seen as a rectangular version of operator systems. In particular, there are enough boundary representations to generate the triple envelope, which is an operator space analogue of a theorem of Arveson and Davidson and Kennedy. Moreover, I will discuss rectangular matrix convex sets. (Received September 19, 2017)