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Paul S Muhly and **Baruch Solel*** (mabaruch@tx.technion.ac.il), Department of mathematics, Technion, Israel institute of Technology, 32000 Haifa, Israel. *Matricial Families and Weighted Shifts*.

Let A be the Hardy algebra of a W^* -correspondence E over a W^* -algebra M . Each $F \in A$ defines a family of operator-valued functions \widehat{F}_σ indexed by the normal representations of M . Each function is defined on the open unit ball of the correspondence $E^{\sigma*}$. Such a family exhibits “matricial structure” that is a central focus of this session.

I will show how to use operator-valued weighted shifts to generate and study matricial families of operator-valued functions defined on more general matricial sets that are not necessarily unit balls. This work generalizes some results of Popescu. (Received September 04, 2013)