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**Judith A. Packer\*** ([judith.jesudason@colorado.edu](mailto:judith.jesudason@colorado.edu)), Department of Mathematics, Campus Box 395, University of Colorado, Boulder, Boulder, CO 80309. *Wavelets for higher-rank graph  $C^*$ -algebras*. Preliminary report.

This talk will review the construction and interpretations of a system of functions termed “wavelets” on a Hilbert space associated to a finite, higher-rank graph  $C^*$ -algebra. Some results of M. Marcolli and A. Paolucci for Cuntz-Krieger algebras are generalized to the higher-rank graph case. This is joint work with C. Farsi, E. Gillaspy, A. Julien and S. Kang. (Received August 16, 2016)