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Dan Ciubotaru* (ciubo@math.utah.edu), Department of Mathematics, University of Utah, 155 S 1400 E, Salt Lake City, UT 84112. *Functors for unitary representations of real groups and affine Hecke algebras.*

This talk is based on joint work with Peter Trapa. We define exact functors between certain subcategories of Harish-Chandra modules for real classical groups and categories of modules over affine graded Hecke algebras, and we study their behaviour with respect to irreducible, Hermitian, and unitary modules. (Received February 02, 2010)