**JULIETTE BRUCE**, University of California, Berkeley *Multigraded regularity on products of projective spaces* 

Eisenbud and Goto described the Castelnuovo-Mumford regularity of a module on projective space in terms of three different properties of the corresponding graded module: its betti numbers, its local cohomology, and its truncations. For the multigraded generalization of regularity defined by Maclagan and Smith, these three conditions are no longer equivalent. I will characterize each of them for modules on products of projective spaces.