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Dan Cristofaro-Gardiner* (dcristof@ucsc.edu), Mathematics Department, McHenry, Santa Cruz, CA, and **Richard Hind** and **Dusa McDuff**. *Symplectic embeddings in dimension greater than 4.*

I will describe joint work with Hind and McDuff exploring the higher dimensional ellipsoid embedding problem. For embeddings of four-dimensional ellipsoids, McDuff showed that embedded contact homology gives sharp obstructions; in higher dimensions, however, much less is known and new techniques are needed. We develop a “stabilization” procedure for building new obstructions from four-dimensional ones, and we show that in many cases the obstructions we get are optimal. (Received February 10, 2018)