Corecognition for iterated suspensions

In this talk, I will present joint work with José Moreno-Fernández and Felix Wierstra on coalgebras in topological spaces. We will construct the comonad associated to a topological operad and we will sketch the proof of a recognition principle for iterated suspensions as coalgebras over the little cubes operad. These statements are Eckmann-Hilton dual to May's foundational results on iterated loop spaces. Afterwards we shall discuss some applications to homotopy operations.

Orateur: FLYNN CONNOLLY, Oisin