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Bahar Acu* (baharacu@northwestern.edu), Evanston, IL 60208. *Planarity in higher-dimensional contact manifolds.*

Planar contact manifolds, those that correspond to an open book decomposition with genus zero pages, have been intensively studied to understand several aspects of 3-dimensional contact topology. In this talk, we present a higher-dimensional notion of planarity, iterated planarity, and provide several generalizations of results for planar contact 3-manifolds, to higher dimensions. This is joint work with A. Moreno. (Received September 14, 2019)