1118-37-264   **Remus Radu*** (`rradu@math.stonybrook.edu`), Institute for Mathematical Sciences, Stony Brook University, Stony Brook, NY 11794-3660. *Hedgehogs in higher dimensions and their applications.*

Hedgehogs in dimension one were introduced by Pérez-Marco in the '90s and proved to be an important tool for studying the dynamics of non-linearizable analytic germs. In this talk we discuss hedgehogs in dimension two for neutral dissipative holomorphic germs of $(\mathbb{C}^2, 0)$. This is based on joint work with T. Firsova, M. Lyubich, and R. Tanase. (Received February 02, 2016)