Xiaojun Huang* (xhuangj@yahoo.com), Department of Mathematics, Rutgers University, New Brunswick, NJ 08903. A compact algebraic strongly pseudoconvex hypersurface not embeddable into a Heisenberg hypersurface of any dimension.

The materials of this talk are based on three joint papers, one with D. Zaitsev (Math. Z.), and one with X.. Li and Ming Xiao (IMRN) and one with Ming Xiao. I will describe the construction of a family of compact strongly pseudoconvex algebraic hypersurfaces which can not be holomorphically embedded into any sphere. This answers negatively a long standing folklore conjecture in CR geometry. (Received July 24, 2017)