New Oxometallic Clusters Inside Fullerene Cages Steven Stevenson Indiana University-Purdue University at Fort Wayne (IPFW) Chemistry Department, 2101 E. Coliseum Blvd., Fort Wayne, IN 46805 USA

Of particular interest in our research group is the synthesis of new endohedral metallofullerenes. Once identified in soot extracts, the new molecules still must be separated and isolated for structural characterization. In this presentation, we discuss the synthesis and separation of several emerging new metallofullerenes consisting of oxometallic clusters entrapped within fullerene cages.