1040-46-56   **Geraldo Botelho*** (`botelho@ufu.br`), Faculdade de Matematica, Universidade Federal de Uberlandia, Uberlandia, 38.411-168, Brazil. *Ideals of homogeneous polynomials from a historical viewpoint.*

The main aim of this talk is to give an overview, from a historical viewpoint, of the study of ideals of homogeneous polynomials between Banach spaces. We start by describing, on the one hand, the beginnings of infinite-dimensional analytic function theory at the turn of the 20th century; and, on the other hand, the emergence of functional analysis in the 1920s and 30s. Our idea is to present the theory of polynomial ideals as a natural and unifying evolution, initiated in the 1980s, of developments which these two theories had undergone over the period 1950-70. (Received January 16, 2008)