

**The University of Toledo**  
**Graduate School**

Upon the recommendation of the Faculty, the Board of Trustees of the University by the authority of the State of the State of Ohio has conferred the Degree of

**Doctor of Philosophy**

upon

**Manayiotsis Spyropoulos**

who, having honorably fulfilled all the requirements prescribed by the University for this Degree is entitled to all the rights and privileges pertaining thereto.

Dated at Toledo, Ohio,

December 12, 1987



James M. Conner  
President of the University

Dean of Graduate School  
Dawn S. Schmitz