

Dr. John Vlachopoulos

Dr. JOHN VLACHOPOULOS received his DIPL.-ING. Degree (1965) from the National Tech. Univ of Athens (NTUA), Greece his M.S. (1968) and D.Sc. (1969) degrees from WASHINGTON UNIV. in St. Louis, Mo. USA working on a NASA/McDonnell-Douglas sponsored project involving high temperature, turbulent air jets.

He joined the Department of Chemical Engineering at McMaster University soon after defending his doctoral dissertation (August 1968).

He was Assistant Professor of Chemical Engineering (1968-1974), Associate Professor (1974-1979), (Full) Professor (1979 -2007) and Professor Emeritus from 2008 to present.

He served as Department Chair (Πρύτανης) for three years (1985-1988). He was on sabbatical research leave at the Institute für Kunststofftechnologie (IKT), University of Stuttgart, Germany (6 months, 1975), Centre de Mise en Forme des Matériaux (CEMEF), Ecole des Mines de Paris (now PARISTECH), Sophia Antipolis, France (11 months, 1981-82 and 7 months 1988-89).

Arriving at McMaster University after defending his doctoral dissertation (August 1968), John Vlachopoulos started teaching fluid mechanics, heat transfer, rheology and polymer processing courses, at both undergraduate and graduate level.

He focused the research efforts with his graduate students, research staff and postdoctoral fellows on polymer processing and rheology.

He founded and directed the Centre for Advanced Polymer Processing and Design CAPPA-D (1987-2017). His former graduate students and research coworkers are now university professors or occupy important positions in industry in Canada, USA, Latin America, Europe and the Far East.

Special emphasis was placed on rheological characterization of polymers, on developing mathematical models and solving problems of industrial relevance, using finite element and finite difference methods. The most important research accomplishments and projects include:

- <https://www.eng.mcmaster.ca/chemeng/faculty/dr-john-vlachopoulos/www.polydynamics.com>
- http://www.polydynamics.com/CV_Vlachopoulos.pdf

Dr. John Vlachopoulos CV/BIO

- <https://scholar.google.com/citations?user=3nVfSzAAAAAJ&hl=en>

Dr. John Vlachopoulos extra Publications Faculty of Engineering