



Moshe Kam, Ph.D.

*Dean*

Newark College of Engineering  
New Jersey Institute of Technology

on behalf of the  
Marino Xanthos Memorial Lecture Committee

requests the honor of your presence  
at the inaugural presentation of the

## MARINO XANTHOS MEMORIAL LECTURE

The Unusual Rheology of Concentrated Suspensions

Morton M. Denn, Ph.D.

*Benjamin Levich Institute*

*City College of New York*

Wednesday, March 11, 2015

2:30 p.m.

Eberhardt Hall

Room 112

RSVP to Sheryl Baker by Friday, March 6, 2015 - [sheryl.baker@njit.edu](mailto:sheryl.baker@njit.edu) or 973-596-2314

Directions to NJIT, visit [njit.edu/about/visit/gettingtonjit](http://njit.edu/about/visit/gettingtonjit)

Marino Xanthos Memorial Lecture 2015

## The Unusual Rheology of Concentrated Suspensions

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## Marino Xanthos, Ph.D.



**M**arino Xanthos Ph.D. was a professor of Chemical, Biological and Pharmaceutical Engineering, Associate Provost for Graduate Studies, and Senior Technical Adviser to the Polymer Processing Institute (PPI) at NJIT until his passing in the summer of 2013. Dr. Xanthos earned a bachelor's degree in chemistry from the Aristotelian University of Thessaloniki and master's and Ph.D. degrees in chemical engineering from the University of Toronto, where he studied under Professor R. T. Woodhams.

After receiving his doctorate in 1974, he joined the research division of Martin Marietta Resources International, where he eventually rose to the position of Research, Development, and Technical Services Manager. From 1980 to 1986 he served as professor and later as director of Stevens Institute of Technology overseas International Programs Office Department of polymer science, engineering and technology, jointly operated with the Algerian Petroleum Institute. During the period of 1987 to 1995, he was the research director of the PPI and Stevens Research Professor. He was appointed professor of chemical engineering at NJIT in 1995, where he served until his passing as Director of the Polymer Engineering Center, Director of the Center of Processing of Plastics Packaging, Chairperson of the Executive Committee of the Materials Research Council, Senior Technical Adviser to the PPI at NJIT, and finally Associate Provost for Graduate Studies.

Dr. Xanthos was internationally recognized for his polymer blends, polymer composites and polymer foams expertise, and his studies on polymer modification through the use of functional particulate additives and reactive extrusion processes, which he also applied to the processing of pharmaceutical oral dosage forms. His research work and publications involved Ph.D. and master's students at NJIT and Stevens. He was also involved with PPI technical staff and industrial colleagues nationally and internationally in the solution of numerous important industrial problems.

Dr. Xanthos became a Fellow of the Society of Plastics Engineers (SPE) in 2003 and received the NJIT Board of Overseers Harlan J. Perlis Award that same year in recognition of his exemplary scholarship and outstanding research in the field of polymers. He served as the U.S. representative to the Board of the Polymer Processing Society since 2005. In 2010, he received the Heinz List Award in recognition of his outstanding achievements in Reactive Processing and Devolatilization.

Dr. Xanthos cared for deeply and was a renowned mentor and advisor to his graduate and undergraduate students. For many years, he was the advisor and life force of the NJIT student chapter of the Society of Plastics Engineers (SPE).

This lecture series was established by his family, friends, and colleagues to memorialize his accomplishments and love of his chosen field.



## Morton M. Denn, Ph.D.



**M**orton M. Denn is the Albert Einstein Professor of Science and Engineering Emeritus at the City College of New York (CCNY), where he was Director of the Benjamin Levich Institute for 15 years. Prior to joining CCNY in 1999, he was Professor of Chemical Engineering at the University of California, Berkeley, where he served as Department Chair as well as Program Leader for Polymers and Head of Materials Chemistry in the Materials Sciences Division of the Lawrence Berkeley National Laboratory. He

previously taught chemical engineering at the University of Delaware, where he was the Allan P. Colburn Professor.

Professor Denn was editor of the *AIChE Journal* from 1985 to 1991 and editor of the *Journal of Rheology* from 1995 to 2005. He is the recipient of a Guggenheim Fellowship; a Fulbright Lectureship; the Professional Progress, William H. Walker, Warren K. Lewis, Institute Lectureship, and Founders Awards of the American Institute of Chemical Engineers; the Chemical Engineering Lectureship of the American Society for Engineering Education; and the Bingham Medal and Distinguished Service Awards of the Society of Rheology. He is a member of the National Academy of Engineering and the American Academy of Arts and Sciences, and he received an honorary DSc from the University of Minnesota. He is the author of seven books: *Optimization by Variational Methods*; *Introduction to Chemical Engineering Analysis* (co-authored with T. W. Fraser Russell); *Stability of Reaction and Transport Processes*; *Process Fluid Mechanics*; *Process Modeling*; *Polymer Melt Processing: Foundations in Fluid Mechanics and Heat Transfer*; and *Chemical Engineering: An Introduction*.