

Marino Xanthos
Memorial Lecture 2020

Monday, October 12, 2020

2:30 p.m.

[Webex link](#)

NJIT
New Jersey Institute
of Technology



PROGRAM

2:30 p.m.

Opening Remarks

Moshe Kam

Dean

Newark College of Engineering

New Jersey Institute of Technology

Welcome

Joel S. Bloom

President

New Jersey Institute of Technology

Introduction of Lecturer

Piero Armenante

Distinguished Professor

of Chemical Engineering

New Jersey Institute of Technology

2:50 p.m.

Plastics - What Are They

and Could We Live Without Them?

Frank S. Bates

2020 Marino Xanthos Memorial Lecturer

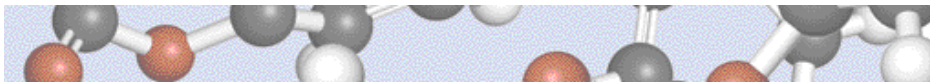
Department of Chemical Engineering

and Materials Science

University of Minnesota

4 p.m.

Concludes

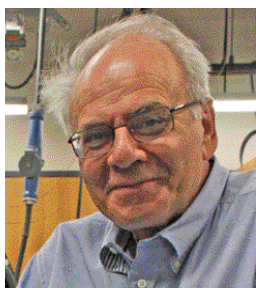


Frank S. Bates

Frank S. Bates is a Regents Professor and a member of the Department of Chemical Engineering and Materials Science at the University of Minnesota. He received a B.S. in mathematics from SUNY Albany and M.S. and Sc.D. degrees in chemical engineering from MIT. Between 1982 and 1989, Bates was a member of the technical staff at AT&T Bell Laboratories in Murray Hill, N.J., then joined the University of Minnesota as an associate professor. He was promoted to professor in 1991, named a Distinguished McKnight University Professor in 1996, appointed as a Regents Professor in 2007, and served as department head between 1999 and 2014. Bates conducts research across a range of topics related to polymers, with a particular focus on the thermodynamics and dynamics of block copolymers and blends, resulting in nearly 500 peer-reviewed publications. He has been recognized for his work through various awards. In 1988 he was named a Distinguished Member of the Technical Staff at Bell Labs, and in 1989 he received the John H. Dillon Medal and in 1997 the Polymer Physics Prize, both from the American Physical Society where he is a Fellow. He won the 2004 David Turnbull Lectureship Award from the Materials Research Society, shared the ACS Cooperative Research Award in 2008, was awarded the 2008 Sustained Research Prize by the Neutron Scattering Society of America, and was the 2012 Institute Lecturer of the American Institute of Chemical Engineers. Bates was elected to the U.S. National Academy of Engineering in 2002, the American Academy of Arts and Science in 2010, the National Academy of Sciences in 2017, and the National Academy of Inventors in 2018.



Marino Xanthos



Marino Xanthos was 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's 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 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 until his passing.

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

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