2003 PMSE Fellow Ceremony

Six new PMSE Fellows were inducted during the PMSE Awards Lunch at the New Orleans ACS Meeting on Monday, March 24, 2003.

- Guy C. Berry
- Frank E. Karasz
- Moshe Narkis
- Dennis G. Peiffer
- Virgil Percec
- Kenneth B. Wagener

PMSE is pleased to welcome this distinguished group of polymer scientists and engineers to the ranks of fellows. A short description of their work up to the point of the induction as a PMSE Fellow is on the following pages.

DIVISION OF POLYMERIC MATERIALS: SCIENCE & ENGINEERING

2003 PMSE Fellow Induction Biographies

2003 PMSE Fellow

Guy C. Berry
Carnegie Mellon University

Guy C. Berry, University Professor of Chemistry and Polymer Science of Carnegie Mellon University, has research interests in the physical chemistry and physics of polymers and their solutions. His research has included rheology and light scattering on dilute and moderately concentrated solutions of flexible and semiflexible chain polymers, including liquid crystalline polymers, with over 200 publications.

Berry joined the Mellon Institute in 1960 on receiving a Ph.D. degree from the University of Michigan, became a Senior Fellow in 1965, and a member of the faculty of Carnegie Mellon University on its formation in 1966. He became a Professor in 1973, a University Professor in 2001, and has held several Administrative posts at CMU. His awards include the Bingham Award of the Society of Rheology, the Pittsburgh Award of the Pittsburgh Section of the ACS and a Fellowship in the American Physical Society. He is a co-editor of *Progress in Polymer Science*, has been a co-editor of the *Journal of Polymer Science: Polymer Physics*, and has served on the editorial boards of a number of journals.

2003 PMSE Fellow

Frank E. Karasz
University of Massachusetts

Frank E. Karasz received his bachelor's degree in Chemistry from Imperial College, University of London, and his doctorate in Physical Chemistry from the University of Washington, Seattle. The University of London awarded him a D.Sc. in 1972. Professor Karasz has been at the University of Massachusetts since 1967, holding the rank of Distinguished University Professor since 1986 and Silvio O. Conte Distinguished Professor of Polymer Science since 1992. He also served as Co-Director of the National Science Foundation-funded Materials Research Laboratory there from 1973 to 1985.

Karasz has served on many committees, review and editorial boards, etc., and has received a number of international and national awards. These include the Mettler Award in Thermal Analysis (1972), the High Polymer Physics Prize (co-recipient) of the American Physical Society (1984), the Research Award of the Society of Plastics Engineers (1985), and the Herman F. Mark Medal of the Austrian Research Institute (2002). He was elected to the National Academy of Engineering in 1991 and is a member of three foreign engineering academies. Karasz has been active in many research areas in the physical chemistry of polymers and has received numerous research grants from government and private sources. He has authored or co-authored over five hundred and thirty scientific publications and several patents.

2003 PMSE Fellow

Moshe Narkis

Technion – Israel Institute of Technology

Moshe Narkis is Professor of Chemical Engineering at the Technion - Israel Institute of Technology. He is the recipient of the SPE Research Award (2001, Society of Plastics Engineers) and Paul J. Flory Polymer Research Prize (2002, POLYCHAR Conferences). Since 1992 he is holder of Technion's prestigious General Yaacov Dori Chair of Engineering. He has published 270 scientific articles, graduated 65 M. S. and Ph.D. students and edited a book entitled "Polymer Powder Technology" in 1995. He was President of the Israel Polymer and Plastics Society and elected Honorary Member of this Society in 1999.

He was editor-in-chief of two international journals and member of the advisory board of several other journals, including Polymer Engineering and Science, Polymer Composites and Polymers for Advanced Technologies. Dr. Narkis was a postdoctoral research associate at Princeton University, associate professor at Washington University, and visiting professor at the University of Connecticut. He has been heavily active in industrial consulting and developed new technologies that have been commercialized. His fields of interest include electrically conductive plastics, physical and reactive polymer blending, emulsion polymerization techniques, composite materials, cross-linking of saturated polyolefins, polymeric nanocomposites, and electrically conductive sensors of liquids and vapors.

2003 PMSE Fellow

Dennis G. Peiffer

ExxonMobil Research and Engineering Company

Dennis G. Peiffer is currently a senior scientist in the Corporate Strategic Research Laboratory of the ExxonMobil Research and Engineering Company in Clinton, New Jersey. He received his Ph.D. in Polymer Science and Engineering from the University of Massachusetts in Amherst, MA in 1976 under the direction of Professor Richard S. Stein. After working with Dr. Lawrence E. Nielsen in the research laboratories of Monsanto Corporation focused on developing high strength polymers and composites, he joined Exxon Research and Engineering Company's Corporate Research Laboratory in 1978.

He has 100 U. S. patents and over 125 publications in numerous areas of polymer science. These include oil and water-soluble copolymers, functional copolymers, associating polymers, polymer membranes, complex fluids for oil and gas drilling, enhanced oil recovery, polymer composites, nanocomposites and blends, polymer - asphalt blends, lubrication additives, filler - polymer interactions, polymer interface structure and dynamics, and highly air-impermeable elastomeric materials. He has received numerous internal awards for his work. He has collaborated with scientists from many institutions around the world, including the State University of New York at Stony Brook, Imperial College, Indian Institute of Technology, and the National Institute of Standards and Technology.

2003 PMSE Fellow

Virgil Percec
University of Pennsylvania

Virgil Percec was born and educated in Romania (Ph.D. in 1976). He defected from his native country in 1981 and after short postdoctoral appointments at the University of Freiburg in Germany (with H.-J. Cantow) and University of Akron (with J. P. Kennedy), in the summer of 1982 he joined the Department of Macromolecular Science of Case Western Reserve University as Assistant Professor. In 1986 he become Professor and in 1993 he was appointed Leonard Case Jr. Professor. Since 1999 he has been the P. Roy Vagelos Professor of Chemistry at the University of Pennsylvania. He is the author of over 520 refereed publications, 30 patents, and over 700 invited lectures.

His research interests include the development of novel synthetic methods, the design, synthesis, and structural analysis of complex molecular, macromolecular, and supramolecular systems and the elaboration of new concepts at the interface between organic, macromolecular, and supramolecular chemistry by using Nature as a model. He is the recipient of numerous awards including Foreign Member of the Romanian Academy (1993), Humboldt Research Award for Senior U.S. Scientists (1997), and Polymer Award from Netherlands (2002). Percec serves on the editorial boards of 16 international journals and since 1996 he has been the Editor of *Journal of Polymer Science: Polymer Chemistry*.

2003 PMSE Fellow

Ken Wagener
University of Florida

Ken Wagener is the George B. Butler Professor of Polymer Chemistry in the Department of Chemistry at the University of Florida. He also serves as the Director of the Center for Macromolecular Science & Engineering there. His B. S. in Chemistry (in 1968) is from Clemson University, and his Ph.D. in Chemistry (in 1973) is from the University of Florida. After 11 years in Asheville, NC as a research chemist with Akzo Nobel (then known as American Enka) and evening teaching at UNC/Asheville, he returned to full time academics in 1984.

His research group is best known for its creation of the ADMET polymerization reaction. Ken is a recipient of numerous forms of teaching and research recognition. These include a Japan Society for the Promotion of Science Invitation Fellowship (2002), the Teacher/Scholar Award at the University of Florida (2000), induction into the Clemson University Academy for Engineers and Scientists (2000), and the Southern Chemist Award (1996).