2001 PMSE Fellow Ceremony

The second class of PMSE Fellows was inducted at the PMSE Awards Lunch at the San Diego ACS Meeting on Tuesday, April 3, 2001.

The 2001 PMSE Fellows at their induction on April 3, 2001 in San Diego, CA. Front row, left to right: Lieng-Huang Lee, James Economy, Eric Baer, Krzysztof Matyjaszewski, Duane B. Priddy. Back row, left to right: Dave Lohse (Fellows Chair), George R. Pilcher, Peggy Cebe (PMSE Chair). Not shown: Frank N. Jones, Albert F. Yee.

Biographies of each PMSE fellow are on the following pages in alphabetical order.

DIVISION OF POLYMERIC MATERIALS: SCIENCE & ENGINEERING

2001 PMSE Fellow Induction Biographies

2001 PMSE Fellow

Eric Baer

Case Western Reserve University

Eric Baer is the Herbert Henry Dow Professor of Science & Engineering in the Dept. of Macromolecular Science and Engineering at Case Western Reserve University. Among his many honors are the International Award (Society of Plastics Engineers), 1980; Borden Award in the Chemistry of Plastics and Coatings, (ACS), 1981; and the Paul J. Flory Education Award, (ACS), 1996. He was inducted into The Plastics Hall of Fame, in 2000. His research interests include irreversible microdeformation mechanisms; pressure effects on morphology and mechanical properties; relationships between hierarchical structure and mechanical function; mechanical properties of soft connective tissue; polymer composites and blends; polymerization crystallization of crystalline surfaces; viscoelastic properties of polymer melts; damage and fracture analysis of polymers; and micro- and nanolayered composites.

2001 PMSE Fellow

James Economy

University of Illinois

James Economy received his B.S. from Wayne State University (1950), Ph.D. from the University of Maryland (1954) and was a research associate at the University of Illinois (1954-56). He held research and management positions at Allied Chemical, the Carborundum Co., IBM from 1956 to 1989. From 1989 - 2000, he was Head of the Materials Science and Engineering Department at the University of Illinois, where he remains as Professor. During his career he has carried out research on high temperature polymers, advanced ceramics, high performance composites, improved materials for microelectronic devices, and design of new material systems for control of environmental contaminants. He has published over 200 technical papers and received 64 US patents. In recognition of this scientific contributions, he has received a number of distinguished awards including the H. F. Mark Award (1998), the AIC Chemical Pioneer Award (1987), ACS Phillips Medal (1985), and 14 IR 100 Awards for Outstanding Technical Developments in American Industry. He has served on numerous government committees and was chairman of the Polymer Chemistry Division of the ACS in 1985.

2001 PMSE Fellow

Frank N. Jones

Eastern Michigan University

Frank N. Jones is a Professor at Eastern Michigan University and is Co-Director of the National Science Foundation Industry/University Cooperative Research Center in Coatings at Eastern Michigan University and the University of Southern Mississippi. After twenty years of research and R&D management in industry he entered academia in 1983, as Chair of the Department of Polymers and Coatings at North Dakota State University. He assumed his present position in 1990. He is author of more than 130 publications and 30 U.S. patents and is co-author with Zeno Wicks and Peter Pappas of the text and reference book "Organic Coatings: Science and Technology." His awards include an EMU Distinguished Faculty Award, the Roy W. Tess Award, the Matiello Lectureship, and three Roon Awards. Prof. Jones's research interests include polymer synthesis, polymer crosslinking, structure-property relationships of crosslinked polymers, polymer surface properties, and development of very-low-VOC and zero-VOC coatings.

2001 PMSE Fellow

Lieng-Huang Lee
Xerox Corporation

Lieng-Huang Lee is now a consultant in the area of Adhesion Science after a long career at the Webster Research Center of the Xerox Corporation, from which he retired as a Senior Scientist in 1994. He received both his M. S. (1954) and Ph.D. (1955) from the Case Institute of Technology. Dr. Lee was the 1976 chairman of the ACS Division of Organic Coatings and Plastics Chemistry, which is now called PMSE. He is an Honorary Professor of the Chinese Academy of Sciences, a Fellow of the Adhesion Society, and a Visiting Professor at Xiamen University in China. He has edited twelve books on adhesion and surface science.

2001 PMSE Fellow

Krzysztof (Kris) Matyjaszewski

Carnegie Mellon University

Krzysztof (Kris) Matyjaszewski (Ph.D. 1976, Polish Academy of Sciences) is currently J. C. Warner Professor of Natural Sciences at Carnegie Mellon University. His main research interests include controlled/living polymerization with the most recent emphasis on free radical systems. In 1995 he has developed atom transfer radical polymerization (ATRP), one of the most successful methods for controlled/living radical polymerization (CRP) systems. During the last 5 years his group (25 postdoctoral fellows, 23 graduate and 26 undergraduate students) has published over 200 papers on ATRP and CRP and holds several US and international patents. Prof. Matyjaszewski has received many honors, including the Carl S. Marvel Award of Polymer Chemistry Division ACS (1995), the Elf Chair of French Academy of Sciences (1998), a Humboldt Award for Senior US Scientists (1999), and a National Professorship of Poland (2000).

DIVISION OF POLYMERIC MATERIALS: SCIENCE & ENGINEERING

2001 PMSE Fellow

George R. Pilcher

Akzo Nobel

George R. Pilcher, Technical Director of Akzo Nobel's Coil and Extrusion Business Unit for North and South America, has spent the past 30 years in a variety of research, development, and managerial positions within the Coil and Industrial Coatings Industries. Mr. Pilcher, who is the only American to be honored with the title of "Corresponding Member" by the Paints ands Pigments Division of the Gesellschaft Deutscher Chemiker, was also presented in October, 1996, with the George Baugh Heckel Award, the highest honor conferred by the Federation of Societies for Coatings Technology. In 1993, he chaired the Polymeric Materials: Science and Engineering Division (PMSE) of the ACS. Mr. Pilcher currently serves on the Board of Directors of the Federation of Societies of Coatings Technology (FSCT), for which he chaired both the Roon and Mattiello Award Committees. Mr. Pilcher is past President of the Coatings Industry Education Foundation, former Vice Chair of ASTM's Committee D-1, has served on the Advisory Board of the National Science Foundation Coatings Center, and currently serves on the Editorial Review Board of J. Coatings Technology. He also serves on the Scientific Committee of the Athens Conference. Mr. Pilcher has published over 20 papers and given more than 50 invited lectures in international venues, including several keynote addresses.

2001 PMSE Fellow

Duane Priddy, Sr.
Dow Chemical Company

Duane Priddy, Sr. joined The Dow Chemical Company in 1970 after receiving a Ph.D. from Michigan State University. Duane is a well-known expert in free radical polymerization of styrene. Most recently he has been a pioneer of "controlled radical" polymerization. Duane has served on the Program Committee for Polymer Chemistry Division of ACS for the past 7 years and is currently serving as Industrial Advisor on the POLY Executive Board. Besides his 30 years of industrial research experience in Dow Plastics, Duane is extensively networked with the academic community. He is an Adjunct Professor at two universities and has advised over a dozen graduate students and postdocs. Duane holds 60 US patents and has 100 publications.

2001 PMSE Fellow

Albert F. Yee

Institute of Materials Research and Engineering

Albert F. Yee obtained B.S. and Ph.D. degrees in Chemistry in 1967 and 1971, respectively, from the University of California, Berkeley. He began his career as a research scientist with General Electric's Corporate Research & Development Center in Schenectady, New York, and eventually managed the Structural Design with Plastics Program. In 1985, Albert joined the University of Michigan as a Professor, and won an NSF Materials Research Group award, of which he was the Director. From 1994 to 2000 he chaired the Department of Materials Science and Engineering. In September 2000 Albert was invited to head the Institute of Materials Research and Engineering (IMRE) in Singapore. Prof. Yee has published more than 130 papers in refereed journals. Most of these publications center around three areas: toughening mechanisms in plastics, molecular relaxation mechanisms in glassy polymers, and applications of the positronium annihilation lifetime spectroscopy (PALS) technique to polymers and other materials. Among his many honors, Albert is a Fellow of the American Physical Society, has won the International Adhesion Society (94 Japan) Award, was an Invited Professor, Swiss Federal Institute of Technology at Lausanne, 92 - 93, and has been a member of the International Scientific Committee, International Conference on Yield, Deformation and Fracture of Polymers, since 1985.