

2005 Class of Fellows

Congratulations to our 2005 Class of Fellows

In 1969, ASM established the Fellow of the Society honor to provide recognition to members for their distinguished contributions to materials science and engineering and develop a broadly based forum of technical and professional leaders to serve as advisors to the Society. Following are the members recognized by their colleagues. Additional Fellows may be elected to this distinguished body in subsequent years. The solicited guidance, which the Fellows will provide to the Board of Trustees, will enhance the capability of ASM as a technical and professional society to serve the technical community of materials science and engineering in the years ahead.



Mr. Eugen Abramovici

President

Bombardier Aerospace

Quebec, Canada

"For sustained and outstanding contributions to ensuring airworthiness of aerospace structures and failure analysis of aerospace materials."



Mr. Riad I. Asfahani

Senior Research Engineer

U.S. Steel

Monroeville, PA

"In recognition of his significant contributions to the development of Thermal-Mechanical Controlled Processing (TMCP) of materials, and leadership in the U.S. steel industry."



Mr. GuoLiang Chen

Professor

University of Science & Technology

Beijing, China

"For outstanding contributions to understanding relationships among composition, processing and their effects on the microstructure on mechanical properties of advanced materials, including superalloys and intermetallics, for high-temperature structural applications."



Prof. Pavel Chraska

Director
Institute of Plasma Physics ASCR
Prague, Czech Republic
"For the development and commercialization of thermal spray processes and mentoring of several generations of scientists and engineers."



Mr. J. R. Douglas

President
JRD Associates
Mentor, Ohio
"For advancing metallurgical knowledge within the field and for educating and training graduate engineers and technicians."



Prof. John N. DuPont

Lehigh University
Bethlehem, Pennsylvania
"For sustained research contributions to the field of solidification and welding metallurgy."



Dr. Omar S. Essaid

Professor
Loyola Marymount University
Mechanical Engineering Department
Los Angeles, California
"For significant contributions to processing and structure-property relationships in aluminum alloys, and for contributions to materials engineering education in the university and the community."



Mr. Luther M. Gammon

Microscopist
Boeing Company
Auburn, Washington
"For sustained innovative advancement in state of the art of light optical microscopy of aerospace materials, particularly light alloys and polymer composites."



Dr. Amit Goyal

ORNL Distinguished Staff Scientist, Battelle Distinguished Inventor, Leader and Task Manager, Superconducting Materials Research
Metals & Ceramics Division, Oak Ridge National Laboratory
Oak Ridge, Tennessee
"For outstanding and sustained contributions to processing of high-temperature superconductors and to texture development and characterization in metals, alloys and ceramics."



Mr. Chester N. Grant

Engineering Group Manager, Advanced (Retired)
General Motors Powertrain
Ortonville, Michigan
"For sustained achievement in developing and maintaining continuous improvement in automotive and marine materials, manufacturing processes, and vendor quality."



Dr. John F. Grubb

Manager
ATI Allegheny Ludlum
Technical Center
Brackenridge, Pennsylvania
"For development, commercialization and promotion of corrosion resistant duplex and austenitic stainless steels."



Dr. Darel Hodgson

President

Nitinol Technology, Inc.
Mountain View, California

"For outstanding contributions to materials science, especially the understanding, application and commercialization of Nitinol shape memory alloys."



Dr. Susan J. Kerber

President

Material Interface Incorporated
Sussex, Wisconsin

"For outstanding contributions to the practice and innovative applications of industrial surface analysis methods."



Prof. A. S. Khanna

Professor

Indian Institute of Technology, Bombay
Corrosion Science & Engineering
Mumbai, India

"For his dedicated and sustained efforts in high temperature oxidation and corrosion research and education."



Dr. Digby D. MacDonald

Professor

Penn State University
Center for Electrochemical Science & Technology
University Park, Pennsylvania

"For contributions to the theory of corrosion and passivity, enabling the accurate prediction of accumulated corrosion damage."



Dr. Tapio A. Mantyla

Professor
Tampere University of Technology
Tampere, Finland

"For significant contributions to research and development in surface engineering, ceramics and thermal spray technology and their practical applications in industry."



Dr. Wojciech Z. Misiolek

Loewy Professor
Lehigh University
Materials Science & Engineering Department
Bethlehem, Pennsylvania

"For outstanding contributions to metal processing research and technology development, especially through collaborative efforts."



Dr. R. Devesh K. Misra

Professor
University of Louisiana at Lafayette
Lafayette, Louisiana

"For notable contributions to the knowledge, understanding and application of high-strength steels, copper alloys and aluminum alloys; the influence of grain boundary segregation; and the development of the ultra-high-strength hot rolled microalloyed steels."



Dr. Evan K. Ohriner

Distinguished Member Development Staff
Oak Ridge National Laboratory
Knoxville, Tennessee

"For the development of iridium alloys and other refractory metal alloys and high-temperature and wear-resistant materials used in space exploration and energy generation and transmission."



Professor Barry M. Patchett

Professor Emeritus, Chemical & Materials Engineering
University of Alberta
Edmonton, Alberta, Canada

"For distinguished and sustained contributions to research in the field of welding engineering, the application of welding process fundamentals to industrial requirements, and the education and mentoring of welding and materials engineering students."



Dr. Horace Pops

Director
Metals Laboratory
Essex Group
Fort Wayne, Indiana

"For exceptional contributions to the metals industry through practical research and alloy development for non ferrous metal wire."



Dr. Sai V. Raj

Materials Research Engineer
NASA Glenn Research Center
Cleveland, Ohio

"For seminal contributions to the understanding of the creep behavior of materials and the development, processing and characterization of intermetallic alloys."



Dr. Martin Roth

Group Leader Failure Analysis
Department of National Defense
Gatimeau, Canada

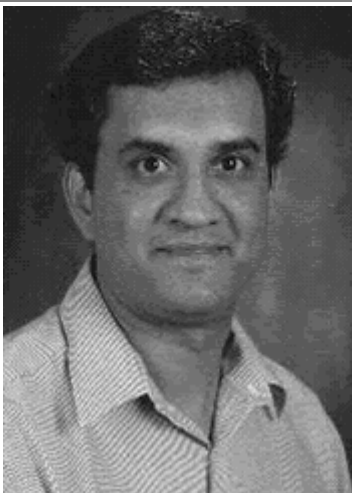
"For outstanding contributions to and leadership in materials engineering, failure analysis and fractography in support of Canadian defense and industrial applications, and for inspiring the next generation of Canadian materials scientists and engineers."



Mr. Alvin M. Sabroff

President
Metalworking Consultant Group
Mentor, Ohio

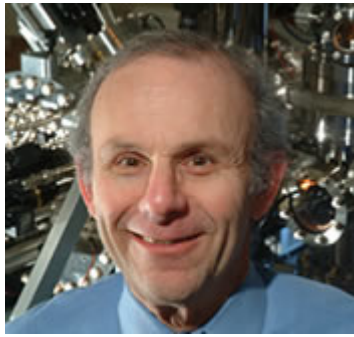
"For outstanding research and development in metalworking of titanium metals and its alloys, and hydrostatic extrusion of various metals."



Dr. Sanjay Sampath

Professor
State University of New York
Department of Materials Science/Engineering
Stony Brook, New York

"For seminal contributions to the materials science and processing science of thermal spray protective and functional coatings and for the linkage of science to practice in coatings technologies."



Dr. David N. Seidman

Professor
Northwestern University
Materials Science Department
Evanston, Illinois

"For pioneering applications of field-ion, atom-probe, and three-dimensional atom-probe microscopies in physical metallurgy."



Dr. G. Sundararajan

Director
Arc International
Hyderabad, India

"For outstanding contributions to the field of Surface Engineering and Tribological Behavior of Materials."



Mr. Donald J. Tillack

President
Tillack Metallurgical Consulting, Inc.
Catlettsburg, Kentucky

"For significant contributions to the understanding of high-temperature behavior of stainless steels and nickel alloys, and to advances in welding of these alloys."



Dr. Steve Yue

Professor
McGill University
Dept of Metals & Materials Engineering
Montreal, Canada

"For sustained and outstanding scientific contributions to metal processing research, and for mentoring."