

2006 Fellows

Congratulations to our 2006 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.

Dr. Stewart Ballantyne

Manager, Nickel Melt Metallurgy
Allvac Allegheny Technologies Company
Monroe, NC

For experimental and modeling contributions leading to the development, understanding and industrial application of melt processes for super alloys.



Dr. Steven Bradley

Research Fellow
UOP LLC
Des Plaines, IL

For outstanding applications of electron microscopy and other advanced materials science techniques which have led to the development and characterization of catalysts for the petroleum and petrochemical industry.



Dr. Elliot Clark

Fellow Materials Engineer
Savannah River National Laboratory
Aiken, SC

For significant contributions to the basic and applied sciences concerning the behavior of hydrogen and its alloys, and contributions to leadership roles in our national societies, ASM and IMS.



Prof. David Edmonds

Professor of Metallurgy and Materials
University of Leeds
United Kingdom

For outstanding contributions to education and research in the field of physical metallurgy, steel microstructures and solid state phase transformations.



Prof. Gerald Frankel

Professor
Ohio State Univeristy
Columbus, OH

For sustained leadership in the area of corrosion research and education in metallurgy and corrosion science.



Dr. Anita Garg

Senior Research Engineer
NASA Glenn Research Center
Cleveland, OH

For outstanding contributions to the scientific and technological understanding of structure-property relationships in high temperature and aerospace materials.



Prof. Somnath Ghosh

John B. Nordholt Professor
The Ohio State University
Columbus, OH

For outstanding contribution to the field of computational mechanics, and for sustained ambassadorship of materials engineering across these communities.



Dr. Kathy Hayrynen

Technical Director
Applied Process Incorporated
Livonia, MI

For outstanding contributions to research, development and application of austempered ductile iron.



Mr. Frank Hermanek

Consultant
FJH and Associates
Indianapolis, IN

For long term activities in thermal spray, in particular the conceptualization and nurturing of the thermal spray glossary and the creation of the Thermal Spray Hall of Fame.



Dr. Kent Johnson

Senior Consultant
Engineering Systems Incorporated
Aurora, IL

For pioneering, leadership and significant contributions in advanced welding metallurgy and flexible manufacturing automation technologies, including flaw detection/failure analysis in pressure containment vessels.



Dr. Charles Kuehmann

President and CEO
Ques Tek Innovations, LLC
Evanston, IL

For pioneering work in computational materials design and introducing this technology to commercial practice.



Dr. Bradley Lerch

Materials Research Engineer
NASA Glenn Research Center
Cleveland, OH

For outstanding contributions to the understanding of deformation and fatigue of metallic alloys and composites leading to improved materials and models.



Dr. Hua-Tay Lin

Senior R&D Staff
Oak Ridge National Laboratory
Oak Ridge, TN

For outstanding theoretical and experimental contributions to advanced ceramics and composite component engine applications.



Prof. Fernand Marquis

Professor
South Dakota School of Mines and Technology
Rapid City, SD

For significant technical contributions in many areas of materials science and engineering and for his dedication to inspiring and impacting the life of many students.



Dr. Christian Moreau

Group Leader, Surface Technologies
National Research Council
Quebec, Canada

In recognition of his invention and development of novel sensor technologies for thermal spray processes, and for strong support of ASM Thermal Spray conference activities.



Dr. Awadh Pandey

Fellow, Space Materials
Pratt & Whitney
West Palm Beach, FL

For excellent technical contributions and leadership in the development and applications of structural materials for aerospace systems.



Mr. Veluru Parthsarthy

Managing Director
Wave Current Automotives, Ltd.
Chennai, India

For pioneering and innovative contribution to process development in automotive components and advancement of novel heat treatment processes with entrepreneurial leadership in automotive components industry in India.



Mr. Mike Powers

Materials and Engineering Scientist
Agilent Technologies
Santa Rosa, CA

For sustained and diverse contributions to the joining of advanced engineering and electronic packaging materials and for contributions to practical materials engineering education.



Dr. Roberto Rioja

Technical Manager
Alcoa
Alcoa Center, PA

For distinguished contributions to the development of new aluminum products to meet the increasingly demanding requirements of the aerospace and space industries.



Dr. Valery Rudnev

Group Director, Science & Technology
Inductoheat Incorporated
Madison Heights, MI

For substantial achievements in induction heating and induction heat treating technology through the combined use of theoretical knowledge, experience, computer modeling, know-how and novel process and product development.



Prof. Linda Schadler

Professor, Materials Science and Engineering
Rensselaer Polytechnic Institute
Troy, NY

For outstanding contributions to understanding of the nano and micromechanical behavior of polymer composites, and for educational leadership in materials science and engineering.



Prof. Rajiv Shivpuri

Professor
Ohio State University
Columbus, OH

For outstanding basic and applied contributions to the computational modeling of deformation and solidification processes, the development of surface engineering techniques, and sustained commitment to curricular and continuing education.



Prof. Bernhard Tittman

Professor
Pennsylvania State University
University Park, PA

For contributions to materials characterization and remote sensing in high temperature materials processing.



Mr. Edward Vinarcik
Product Design Engineer
Robert Bosch Corporation
Albion, IN

For successful application of materials technologies to the automotive industry and other real world quality and design issues, as well as leadership in ASM International and other materials societies.



Mr. Sunil Widge
Vice President, Business Development and Chief Technology Officer
Carpenter Technology Corporation
Reading, PA

For design and development of high performance specialty alloys to serve demanding industrial applications.



Dr. Ian Wright
Distinguished Staff Member
Oak Ridge National Laboratory
Oak Ridge, TN

For outstanding scientific mechanistic understanding of high-temperature oxidation of metals, alloys, and coatings, and applying such knowledge to mitigation of materials degradation during service in complex, high-temperature environments.



Mr. Mehrooz Zamanzadeh

President
Matco Associates, Inc.
Pittsburgh, PA

For long-term commitment to ASM and significant contributions to materials improvement and failure analysis.

