

## **ASM'S 2008 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 to 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 for 2008. 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 community of materials science and engineering in the years ahead.

### **Dr. Tae M. Ahn**

*Senior Materials Engineer  
US Nuclear Regulatory Commission  
Washington, DC*



For serving the Nuclear Regulatory Commission (NRC) and developing models for high-level waste management that are being applied to workers in the US and elsewhere.

### **Dr. Mufit Akinc**

*Professor & Chair  
Iowa State University  
Ames, Iowa*



For contributions to the science and technology of ceramic and alloy powders, and for leadership in materials education.

### **Dr. David M. Bowden**

*Technical Fellow  
The Boeing Company  
St. Louis, Missouri*



For significant and sustained contributions to the development of new materials and processes for aerospace systems to improve performance and affordability.



**Prof. Nikhilesh Chawla**

*Professor, School of Materials  
Arizona State University  
Tempe, Arizona*

For significant contribution and analytical modeling of fatigue behavior of materials and innovative characterization of single and multiphase microstructures.



**Dr. Sunniva R. Collins**

*Technology Director  
Swagelok  
Solon, Ohio*

For leadership and innovative contribution to the technological advances in stainless steels used in fluid systems applications.



**Mr. Ralph C. Daehn**

*President  
RC Daehn P.C.  
Wayne, Illinois*

For lifelong commitment in mentoring young engineers and students to design/innovation and outstanding contributions to aerosol can innovation and manufacturing technology.



**Dr. David L. Ellis**

*Materials Research Engineer  
NASA Glenn Research Center  
Cleveland, Ohio*

For development of new high temperature, high conductivity copper-based alloys and composites for turbine and rocket engine applications.

**Dr. Robert W. Hendricks**

*Professor*

*Virginia Polytechnic Institute & State University  
Blacksburg, Virginia*

For outstanding contributions to the characterization of materials using x-ray and neutron scattering techniques.



**Dr. Paul E. Krajewski**

*Laboratory Group Manager*

*GM Research & Development Center  
Warren, Michigan*

For outstanding contributions to the forming technologies, and innovative manufacturing of aluminum and magnesium sheets materials for automotive applications.



**Dr. David L. McDowell**

*Professor*

*Georgia Institute of Technology  
Atlanta, Georgia*

For advancing state of knowledge in microstructure property relationships of structural materials.



**Dr. D. Scott MacKenzie**

*Technical Specialist*

*Houghton International Inc.  
Valley Forge, Pennsylvania*

For original contributions including seminal work with respect to non-ferrous heat treat and microstructure research and development.



**Mr. Somuri V. Prasad**

*Principal Member of Technical Staff*

*Sandia National Laboratories  
Albuquerque, New Mexico*

For recognition of outstanding contributions to the field of tribology, tribological coatings and metal matrix composites.





**Dr. Seeram Ramakrishna**

*Dean of Engineering  
National University  
Singapore*

For pioneering research on polymer composites, biocomposites and nanofibers.



**Dr. Kumar Sridharan**

*Research Professor  
University of Wisconsin  
Madison, Wisconsin*

For contributions to the field of plasma-based surface engineering and synthesis of materials and materials research.



**Prof. Sudipta Seal**

*Associate Professor  
University of Central Florida  
Orlando, Florida*

For pioneering the development of multicomponent surface engineered oxides for a multitude of industrial applications.



**Dr. John M. Tartaglia**

*Engineering Manager  
Stork Climax Research Services  
Wixom, Michigan*

For contributions in alloy development and testing of metallic and semiconductor materials and extensive research, failure analysis and publication on fatigue, mechanical testing and materials performance.



**Dr. Dan J. Thoma**

*Institute Leader  
Los Alamos National Laboratory  
Los Alamos, New Mexico*

For outstanding contributions to the design and development of alloys in support of national security programs.

**Mr. Steven M. Tipton**  
*Professor*  
*The University of Tulsa*  
*Tulsa, Oklahoma*



For sustained and innovative contributions to the development of fatigue and plasticity properties of coiled tubing materials and development of professionals in the materials field.

**Dr. Yoshiki Tsunekawa**  
*Professor*  
*Toyota Technical Institute*  
*Nagoya, Japan*



For outstanding contributions to the development of thermal spray through his innovative research and leadership in Japan and on the international scene.

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