2007 Fellows

Congratulations to our 2007 Class of Fellows

In 1969, ASM established the Fellow of the Society honor to provide recognition to members for 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. Richard A. Blackwell
General Manager
Buehler Canada
Markham, Ontario Canada

For sustained technical contributions to the business and science of metallography and for tireless and dedicated contributions to ASM International.

Dr. Philip E. Bretz
Executive Vice President
Metcut Research Inc.
Cincinnati, OH

For outstanding and sustained contributions to understanding the mechanical behavior of lightweight structural materials.
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<thead>
<tr>
<th>Name</th>
<th>Title and Affiliation</th>
<th>Contributions</th>
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<tr>
<td>Dr. Eldon D. Case</td>
<td>Professor, Michigan State University, East Lansing, MI</td>
<td>For outstanding contributions to microcracking and fatigue behavior of structural and bioceramics.</td>
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<tr>
<td>Dr. Leo Christodoulou</td>
<td>Program Manager, DARPA DSO, Arlington, VA</td>
<td>For outstanding contributions to initiation, support and advocacy of structural and multifunctional materials programs at the national level.</td>
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<tr>
<td>Prof. David C. Dunand</td>
<td>Professor, Northwestern University, Evanston, IL</td>
<td>For significant contributions to understanding the mechanical properties of dispersion-strengthened alloys, metal matrix composites and metallic foams.</td>
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<tr>
<td>Ms. Diana M Essock</td>
<td>Director of New Technology, Foseco Metallurgical Incorporated, Cleveland, OH</td>
<td>For innovative contributions to the turbine, lighting and foundry industries and the ability to advance new products and processes from conception production and commercialization.</td>
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<tr>
<td>Name</td>
<td>Title</td>
<td>Company/Institution</td>
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<td><strong>Prof. William H. Hofmeister</strong></td>
<td>Director Center for Laser Applications</td>
<td>University of Tennessee Space Institute</td>
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<td><strong>Mr. Ravijit Kahandal</strong></td>
<td>Senior Manager</td>
<td>The Boeing Company</td>
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<tr>
<td><strong>Dr. Jeganathan Karthikeyan</strong></td>
<td>Dir of Research &amp; Development</td>
<td>ASB Industries</td>
</tr>
<tr>
<td><strong>Dr. Hugh Kerr</strong></td>
<td>Professor Emeritus</td>
<td>Waterloo University</td>
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Prof. Nack J. Kim  
Professor  
Pohang University of Science & Technology  
Pohang, South Korea  
For contributions in advancing the processing and development of lightweight alloys

Prof. Ashok Kumar  
Professor  
University of South Florida  
Tampa, FL  
For outstanding contributions to the fields of chemical mechanical polishing and surface engineering.

Mr. Stephen E. LeBeau  
President and Chief Executive Officer  
Thixo Mat  
Ann Arbor, MI  
For leadership in adaptation, transfer and commercialization of innovative magnesium injection molding technology.
| **Dr. Victor D. Levin**  
| Director, Global Materials Engineering  
| TRW Automotive Engine Components  
| Cleveland, OH  
|  
| For significant contributions to the materials technology used in manufacturing of internal combustion engine valves.  

| **Prof. Zi-Kui Liu**  
| Professor  
| Pennsylvania State University  
| University Park, PA  
|  
| Contributions to computational modeling of materials and, in particular, to computational thermodynamics and its transitioning to physics based modeling, which enables the robust production of stable engineering materials.  

| **Dr. Dana J. Medlin**  
| Associate Professor  
| South Dakota School of Mines and Technology  
| Rapid City, SD  
|  
| For outstanding contributions to innovative design and development of medical devices, dedication to the development and education of future medical device professionals, and prolonged outstanding service to ASM.  

Dr. Richard A. Neiser
Principal Member of Technical Staff
Sandia National Laboratories
Albuquerque, NM

For pioneering contributions in innovative process diagnostics and modeling, to enhance fundamental understanding and improve control technology for thermal spray processes, and for exceptional leadership in thermal spray safety education.

Mr. Charles E. Neu
President
Forensic Sciences Incorporated
Hatboro, PA

For developing application criteria for aerospace steels, titanium, and aluminum alloys used in Navy aircraft.

Mr. Henry R. Piehler
Professor
Carnegie Mellon University
Pittsburgh, PA

For outstanding and sustained contributions in understanding deformation processes and the performance of biomaterials and medical devices.
Dr. Michael A. Rigdon  
Director of Science & Technology Division  
Institute for Defense Analyses  
Alexandria, VA  
In recognition of his exceptional vision and leadership in analysis and enabling use of innovative high performance materials in Department of Defense systems and outstanding service to ASM.

Prof. Kamel Salama  
University Houston  
University of Houston  
Houston, TX  
For his contributions to research and education in the area of processing and mechanical behavior of High Temperature Superconductivity.

Dr. John Scully  
Professor  
University of Virginia  
Charlottesville, VA  
In recognition of contributions to the understanding of hydrogen interactions and corrosion in metals.

Dr. Roger Stoller  
Distinguished Research Staff  
Oak Ridge National Laboratory  
Knoxville, TN  
For significant contribution to the fundamental understanding of radiation-induced microstructural evolution in structural materials.
**Mr. Dilip Subramanyam**  
Engineering Manager  
Becton Dickinson & Co Ophthalmic Systems Division  
Walthan, MA

For contributions in the development and commercialization of cast, wear-resistant alloys and for process improvement and innovation in the advancement of metal fabrication technologies related to the manufacture of medical devices.

**Mr. Fred C. Yolton**  
Technical Director  
Crucible Research Division  
Pittsburgh, PA

For pioneering the development and production of advanced high performance powder metallurgy of titanium and titanium alloys, including the invention of titanium atomizer.