A CELEBRATION OF EXCELLENCE

ASM International
2009 Class of Fellows and Distinguished Awards

Special Supplement of Advanced Materials & Processes magazine
October 2009
WHAT IT TAKES TO BE A WORLD-CLASS STEEL PRODUCER.

Safety
Quality
Productivity
Innovation

Forging Ahead on the Fundamentals

AKSteel
www.aksteel.com
This special section of Advanced Materials & Processes is dedicated to the 2009 Fellows of ASM International and to the distinguished winners of ASM’s awards. The American Society for Metals established the Fellow of the Society in 1969 to provide recognition to members for their contributions to the materials science and engineering field. To become a Fellow, a member must demonstrate broad and productive achievement in production, manufacturing, management, design, development, research, or education. Fellows must currently be ASM members, and must have been a member for at least five years.

The first class of ASM Fellows, 200 strong, was installed in 1970 during ceremonies at Metals Park, which later became Materials Park. The total number from that day to this has grown to almost 2000 ASM Fellows.

The Fellows are a unique group, not only for their outstanding achievements, but also for their ongoing contributions to the society. The Board of Trustees solicits their advice to help guide the society, and to suggest new technical directions. This guidance enhances the capability of ASM to carry out its mission of providing in-depth materials information to its members in every materials field. They have provided invaluable advice as ASM has transitioned to the online products that enable information to be updated frequently, making it more useful while reducing costs.

As shown by the list of some of their accomplishments, these outstanding engineers and scientists contribute to the overall success of society in general. They find better and more efficient ways to produce materials and products, enabling more people around the world to participate in technological progress. The modern world owes a tremendous debt to these materials engineers whose contributions enable modern technology. It is only on rare occasions such as this that they receive the accolades they deserve.

<table>
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<th>Here is a brief list of some of the accomplishments of the 2009 Class of Fellows:</th>
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<td>• Novel materials for power generation</td>
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</tr>
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</tr>
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<td>• Energy conversion materials</td>
</tr>
<tr>
<td>• Explosive processing</td>
</tr>
</tbody>
</table>
A Celebration of Excellence

ASM International® Fellow Members

+ Aaron, Howard B.
+ Aaronson, Hubert I.
+ Abbasi, Reza
+ Abkowitz, Stanley
+ Abkowitz, Susan
+ Aborn, Robert H.
+ Abramovici, Eugen
+ Adair, Attwell M.
+ Adair, Robert V.
+ Adams, Brent L.
+ Adams, Raymond G.
+ Adamson, Martyn G.
+ Agarwal, D.C.
+ Agarvala, Vinod S.
+ Aggen, George
+ Agrawal, Suphal P.
+ Ahn, Tae M.
+ Akinc, Mufti
+ Albers, Francis C.
+ Albrecht, E. Daniel
+ Albright, Darryl L.
+ Alexander, Kathleen B.
+ Allan, Douglas M.
+ Allen, Charles W.
+ Allen, Samuel M.
+ Allison, John E.
+ Almen, John O.
+ Altstetter, Carl Joseph
+ Alshuler, Thomas L.
+ Amateau, Maurice F.
+ Amber, Wayne L.
+ Anantharaman, T.R.
+ Anderson, Edmund A.
+ Anderson, Iver E.
+ Anderson, Robert C.
+ Anderson, W. Earl
+ Anderson, William A.
+ Anderson, William E.
+ Andreisen, Peter L.
+ Andrews, John V.
+ Angelini, Peter
+ Ankem, Sreeramamurthy
+ Ansell, George S.
+ Antes, Harry W.
+ Antia, Dara Projobshaw
+ Antolovich, Stephen D.
+ Apelian, Diran
+ Ardell, Alan J.
+ Arata, Yoshikaki
+ Arcella, Frank G.
+ Armantrout, Clo E.
+ Armstrong, Ronald W.
+ Armstrong, William M.
+ Arnold, David B.
+ Arnold, Lynn E.
+ Aronson, Arthur H.
+ Aronsson, Bertil S.
+ Arsenault, Richard J.
+ Asfahan, Riad I.
+ Asphahani, Azir I.
+ Aust, Karl T.
+ Austin, James B.
+ Austin, William W.
+ Avedisian, Arthur A.
+ Averbach, Benjamin L.
+ Avery, Howard S.
+ Ayer, Raghavan
+ Babcock, Donald E.
+ Babu, Prakash B.
+ Backofen, Walter A.
+ Baeslack, William A. III
+ Baggerly, Roy G.
+ Bagnall, Christopher
+ Bailey, Ronald E.
+ Bain, Edgar C.
+ Baker, Ian
+ Baldwin, James F.
+ Ballantyne, Stewart
+ Bamford, Waldron L.
+ Banerjee, Bani R.
+ Banerjee, S.
+ Bania, Paul J.
+ Bardes, Bruce P.
+ Barrera, Enrique V.
+ Barrett, Charles S.
+ Barsom, John M.
+ Bates, Charles E.
+ Bates, Harrold J.
+ Bathias, Claude
+ Battles, James E.
+ Bayless, Ray T.
+ Bechhem, Cedric D.
+ Beardedmore, Peter
+ Beaver, Howard O., Jr.
+ Bechtold, James H.
+ Beck, Paul A.
+ Beckwith, Elaine C.
+ Beeler, Joe R., Jr.
+ Behal, Victor G.
+ Beingessner, Clarence J.
+ Beingessner, Clarence R.
+ Beitscher, Stanley
+ Beltran, Adrian M.
+ Bement, Arden L., Jr.
+ Benda, Lee P.
+ Benjamin, John S.

“ASM has been the professional organization I have affiliated with most during my career. A number of my mentors and colleagues whom I greatly admire and respect, have previously been elected Fellows of ASM. Being elected as a Fellow myself is the highest level of professional recognition I have achieved.”

Benn, Raymond C.
Bennett, Lawrence H.
Bens, Frederic P.
Benscotter, Arlan O.
Benson, Kenneth E.
Benz, Mark G.
Berg, Morris
Berkley, Stanley G.
Berlien, G. Ben
Berndt, Christopher C.
Bernstein, I. Melvin
Bertossa, Robert C.
Bever, Michael B.
Bewlay, Bernard P.
Bhagat, Ram B.

Bhat, Gopal K.
Bieber, Clarence G.
Biederman, Ronald R.
Bild, Charles F.
Bildstein, Hubert
Billillo, John C.
Binczewski, George J.
Birchennall, C. Ernest
Birks, Neil
Birnbaum, Howard K.
Bishop, Harry L., Jr.
Bittler, William R.
Blackwell, Richard A.
Blau, Peter J.
Blickensderfer, Robert
Blickwede, Donald J.

2009 ASM FELLOW

Teiichi Ando
Professor
Northeastern University
Boston, Massachusetts

For significant and sustained contributions to the field of microstructural design in solidification processes, and for leadership in academic materials science.

David E. Alman
Director, Materials Performance
Division
National Energy Technology Laboratory
Albany, Oregon

“For development and design of novel materials and surface structures for power generation and high-temperature applications.”

“ASM has provided me with wonderful opportunities for professional involvement, service, self-renewal and growth. I wish to thank the Board of Trustees and everyone involved . . . for this great honor.”

Rajiv Asthana
Professor
University of Wisconsin – Stout
Menomonie, Wisconsin

For seminal contributions to cast metal-matrix composites and ceramic-metal joining.

“_it is gratifying and humbling to be recognized for my efforts by a panel of distinguished peers. Over the years, ASM has provided me with wonderful opportunities for professional involvement, service, self-renewal and growth. I wish to thank the Board of Trustees and everyone involved...”

Denotes deceased
That membership started when I enrolled in an MEI class taught by an organization that has taught me so much is an incredible honor. This is one of the most meaningful recognitions that I could ever receive.

I am celebrating my 30th anniversary as an ASM member. To be counted among the many great Materials Scientists and Metallurgists who have been previously honored is not only a great honor but also a humbling experience, as the role of Fellows includes only the best of our profession.
A Celebration of Excellence

ASM International® Fellow Members

Cieslak, Michael J.
Cieslak, Wendy R.
Cina, Bernard
Clapp, Philip C.
+Clark, Donald S.
Clark, Elliot
+Clark, Frances H.
Clark, J. Beverley
+Clark, John P., Jr.
Clark, Robert
Clark, William A.T.
Clausdon, Thomas T.
Clauer, Allan H.
+Cofer, Daniel B.
Coffin, Louis F.
+Cohen, Jerome B.
+Cohen, Morris
+Coheur, Pierre M.
Colas, Rafael
+Colasanti, James
Cole, Gerald S.
Collins, Joseph F.
Collins, Sunniva R.
Conrad, Hans
+Convey, John
Conybear, James G.
Cook, Harry E.
+Coons, William C.
Cooper, Kershied P.
Cooper, Thomas D.
Copley, Stephen M.
Cordea, James N.
Cordovi, Marcel A.
Coriell, Sam R.
Cornie, James A.
+Cornish, Donald F.
Cost, James R.
Cotton, James D.
Cottrell, Alan H.
+Courtney, Thomas H.
Couts, Wilford H., Jr.
+Coyne, James E.
+Craig, George B.
Crane, Jacob
Crawmer, Daryl E.
Cremisio, Richard S.
Cribb, W. Raymond
Crisci, Joseph R.
+Cross, Howard C.
Crossley, Frank A.
Crouse, Robert S.
Crowe, C. Robert
+Cullen, Orville E.
Cullen, Thomas M.
+Cullity, Bernard D.
+Culp, Neil J.
+Cunningham, John E.
Cupp, Calvin R.
+Curran, Robert M.
Curwen, Henry A.
+Cuthill, John R.

Das, Subodh K.
David, Stan A.
Davidson, David Lee
Davies, Richard Glyn
Davis, Guy D.
+Davis, H. Mauzze
Davis, Keith G.
Davis, Lance A.
+Davis, LeRoy W.
Davis, Mark J.
Dayananda, Mysore A.
Daykin, Robert P.
+Dean, Walter A.
DeArdo, Anthony J.
deBarbadillo, John J.
DebRoy, Tarasankar
Decker, Raymond F.
Dejdieu, Jacques M. B.
Deevis, Seetharama C.
DeHoff, Robert T.
DeHosson, Jeff T.
Delaey, Luc
+DeLong, William T.
DeLucia, John J.
+DeMoney, Fred W.
Dennies, Daniel P.
Dennis, William E.
+Derge, Gerhard J.
+Deutsch, George C.
+DeVan, Jackson H.
DeVore, John A.
Diaz, David J.
Dickinson, David W.
Dickson, J. Ivan
Diefendorf, R. Judd
Dieter, George E.
+Dill, H. Clyde
Dimiduk, Dennis M.
Dinda, Subimal
+Doane, Douglas V.
Dodson, William H.
Dollár, Marek
Donachie, Matthew J., Jr.
+Donahue, Raymond J.
Donnelly, Ralph G.
+Dorn, John E.
Dorschu, Karl E.
Dossett, Jon L.
Doty, W. O’Rourke
Douglas, Richard J.
Dolgash, David L.
+Dove, Allan B.
+Dowding, Frederick C.
Doyle, Joe H.
DuPont, John N.
Drake, Eric R.
Drake, Justin R.
+Dulis, Edward J.
+Du Mond, Theodore C.
Dunand, David C.
Duncan, John L.
+Dunn, Ray P.
Duquette, David Joseph
Dutta, Indranath
Duttweiler, Russell E.
Duval, Walter M.B.
+Duviez, Pol E.
+Dyer, Harry B.
Dyrkacz, W. William

Eagan, James R.
Eagar, Thomas W.
+Eberly, Warren S.
Eckelmeier, Kenneth H.
Eckenrod, John J.
Edenhofer, Bernd
Edmonds, David H.
Edwards, Eugene H.
Edwards, Glen R.
+Edwards, John O.
Edwards, Richard P.
Eisenstein, Herbert L.
Elleher, Daniel
Elliott, C. Frank
+Elliot, John F.
Ellis, David L.
Elmer, John W.
Emerick, Harold B.
+Emmons, Joseph V.
Engel, Niel
Engell, Hans-Juergen
Enomoto, Masato
+Engquist, Richard D.
+Enzian, George H.
Epreamin, Edward
Erdemir, Ali
Eriksen, Wallace J.
Erickson, William H.
Ericsson, Sven Torsten
Es-Said, Omar
Essock, Diana M.
Evangelista, Enrico
Evans, Ersel A.
+Everhart, John L.
Eylon, Daniel

For leadership in identifying and implementing novel and emerging technologies that have improved manufacturing efficiency, increased quality, and reduced costs.

“To be elected as a Fellow of ASM by my colleagues is a great honor. I was thrilled to learn that they felt my work and contributions to the materials community are worthy of this recognition. Selection as a fellow of ASM is one of the highlights of my career.”

For advances in processing, development, and marketing of powder metallurgy products and for the mentoring of materials engineers.

“For being a Fellow of ASM is the highest professional achievement that I have received over my professional career. Many years ago when I first started at Carpenter, I read about the accomplishments of the “select few” that became Fellows of ASM and never thought that I would receive such an honor.”

Daehn, Ralph C.
Dalotto, Narendra B.
Dahlberg, E. Philip
Dancy, Terence E.
Danko, Joseph C.
Dantzig, Jonathan A.
Danylik, Steven
Dapkusas, Stanley J.
Darby, Joseph B., Jr.
+Darken, Lawrence S.
Darmara, Falih N.
Das, K. Bhagwan
Das, Santosh K.

+Denotes deceased

2009 ASM FELLOW

F. Robert Dax
Manager, Project Development
Concurrent Technologies Corporation
Pittsburgh, Pennsylvania

Gregory J. Del Corso
Manager, Carpenter Powder Laboratory
Carpenter Technology Corporation
Reading, Pennsylvania

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Fabbian, Roger J.
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Farkas, Diana
+Farmer, Marjorie Elizabeth
Fauchais, Pierre
+Faust, Charles L.
Feige, Norman G.
+Fellows, John A.
+Fenn, Raymond W., Jr.
Ferguson, B. Lynn
+ Ferro, Ricardo
Fessler, Raymond R.
+Fettmers, Karl L.
+ Fetz, Eric
+Field, Michael
Fields, Davis Stewart, Jr.
Finn, Morris E.
+Finkl, William F.
Finlay, Walter L.
+Fischer, Robert B.
Fischer, Roland E.
Fischmeister, Hellmut F.
Fisher, George A., Jr.
+Fisher, John C.
Fishman Steven G.
+Fitterer, George R.
Fleischer, Robert L.
Flemings, Merton C.
+Fletcher, Stewart G.
+Flinn, Richard A.

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Fleischer, Robert L.
Flemings, Merton C.
+Fletcher, Stewart G.
+Flinn, Richard A.
Election to ASM Fellow is a special honor to me. It provides recognition by a very prestigious professional society, . . . that as a Fellow of ASM. The recognition of my achievements in leadership, management, and education activities have been the time and effort spent in my personal research and in my contributions to materials science by ASM is one of the most gratifying and rewarding career milestones that a materials scientist can experience.

For advancing the understanding of new generation superconducting materials and providing technical leadership to meet materials related defense needs.

For numerous innovations in thermal spray coating technologies, and for exemplary service to the global thermal spray community.

“A Celebration of Excellence”

ASM International® Fellow Members

2009 ASM Fellow

Gary L. Doll
Chief Technologist, Tribology
The Timken Company
Canton, Ohio

Donald U. Gubser
Superintendent, Materials Science and Technology Division
Naval Research Laboratory
Washington, District of Columbia

Gibala, Ronald
+ Gillett, Ural H.
+ Gilliland, R. Gerald
+ Gillis, Peter P.
+ Gillmor, Robert N.
+ Gilman, John J.
+ Gilman, Paul S.
+ Girardi, Daniel J.
+ Gijszczak, Thaddeus
+ Gjestein, Norman A.
+ Glasgow, Thomas K.
+ Glaze, Ardelle
+ Gleekman, Lewis W.
+ Glickman, Martin E.
+ Goehler, Ronald D.
+ Goering, William A.
+ Goetzl, Claus G.
+ Gokcen, Nev A.
+ Gokhale, Arun M.
+ Goldberg, Alfred
+ Goldberg, David C.
+ Goldhoffer, Robert M.
+ Goldman, Kenneth M.
+ Goldstein, Joseph I.
+ Gondi, Primo
+ Gonso, Bruce W.
+ Goode, Robert J.
+ Goodway, Martha
+ Goodwin, Gene M.
+ Googin, John M.
+ Gordon, Gerald M.
+ Gordon, John A.
+ Hall, Albert M.
+ Haller, John M.
+ Halfack, John A.
+ Halford, Gary R.
+ Halgren, John A.
+ Hall, Robert E., Jr.
+ Hamaker, John C., Jr.
+ Hamilton, Bruce M.
+ Hamilton, C. Howard
+ Hanada, Shuji
+ Hanawalt, Joseph D.
+ Handwerker, Carol A.
+ Hanes, Hugh D.
+ Hanink, Dean K.
+ Hansen, Hannu
+ Hansen, Max
+ Hansen, Niels
+ Hansen, Steven S.
+ Hanzel, Richard E.
+ Hargis, Salvatore J.
+ Groe, Arthur H.
+ Grotendorf, John A.
+ Gronsky, Ronald
+ Grosh, Johann
+ Gross, Alfred G., Jr.
+ Groomesey, Martin L.
+ Greavesley, Richard B.
+ Gunia, Russell B.
+ Gupton, Paul S.
+ Gurland, Joseph
+ Gutenplan, Jack D.
+ Habraken, Louis J.
+ Haga, L. J.
+ Hähn, George T.
+ Hahn, Henry
+ Halchak, John A.
+ Falck, Max
+ Falck, Paul S.
+ Falck, John W.
+ Fournelle, Raymond A.
+ Fraker, Anna Clyde
+ Frame, John W.
+ France, W. DeWayne, Jr.
+ Frankel, Gerald
+ Franken, Henry E.
+ Fraser, Hamish L.
+ Frazier, William E.
+ Fidin, Michael J.
+ Friesen, Stanley J.
+ Fritzlen, Glenn A.
+ Fries, Francis H.
+ Frohberg, Richard P.
+ Frost, Brian R.T.

2009 ASM Fellow

Peter Heinrich
Manager, Thermal Spray
Linde AG, Linde Gas Division
Unterschleißheim, Germany

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Chief Technologist, Tribology
The Timken Company
Canton, Ohio

Donald U. Gubser
Superintendent, Materials Science and Technology Division
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+ Hal, Robert E., Jr.
+ Hamaker, John C., Jr.
+ Hamilton, Bruce M.
+ Hamilton, C. Howard
+ Hanada, Shuji
+ Hanawalt, Joseph D.
+ Handwerker, Carol A.
+ Hanes, Hugh D.
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+ Hansen, Hannu
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+ Hargis, Salvatore J.
+ Groe, Arthur H.
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+ Habraken, Louis J.
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+ Hähn, George T.
+ Hahn, Henry
+ Halchak, John A.
+ Falck, Max
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+ Fournelle, Raymond A.
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+ Frame, John W.
+ France, W. DeWayne, Jr.
+ Frankel, Gerald
+ Franken, Henry E.
+ Fraser, Hamish L.
+ Frazier, William E.
+ Fidin, Michael J.
+ Friesen, Stanley J.
+ Fritzlen, Glenn A.
+ Fries, Francis H.
+ Frohberg, Richard P.
+ Frost, Brian R.T.
ASM International® Fellow Members

Harris, William J.
Harrison, Robert W.
Hartbower, Carl E.
Hartley, Craig S.
Hartman, Gerald S.
Harwood, Julius J.
Hasson, Dennis F.
Hauser, Daniel
Hawk, Jeffrey A.
Haws, Warren J.
Hayden, H. Wayne
+ Hayes, Earl T.
Hayrynen, Kathy
Hays, Raymond H.
Heberlein, Joachim V.R.
Hecht, Ralph J.
+ Heckard, David C.
Heckel, Richard W.
Hecker, Siegfried S.
Heckler, Alan J.
Heestand, Richard L.
Heffernan, Gerald R.
Heger, James J.
+ Hehmann, Robert F.
Heimbuch, Roger A.
Heger, James J.
Heffernan, Gerald R.
Hendricks, Robert W.
Henkel, Harry D.
Henry, Donald J.
Henry, Richard J.
+ Hense, Vernon E.
 Henchenroeder, Robert B.
Herman, Herbert
Herman, Marvin
Hermanek, Frank
Hertzberg, Richard W.
+ Herzig, Alvin J.
Hetzner, Dennis W.
Heubner, Ulrich L.
+ Heuschkel, Julius
Heyer, Robert H.
Hibbard, Walter R.
+ Hilbers, Gerard H.
Hilderman, Gregory J.
Hillert, Mats H.
Hindson, Ralph Douglas
Hingwe, Anil K.
Hirano, Ken-ichi
Hirth, John Price
+ Hitchcock, John H.
Hoagland, Richard G.
Hobbs, Robert Melville
Hochman, Robert F.
+ Hockett, John E.
Hodge, F. Galen
+ Hodge, John M.
Hodgson, Darel
Hoeft, Gerald G.
Hoegfeldt, Jan M.
+ Hoffman, Eugene E.
Hofmeister, William H.
+ Holcroft, Walter H.
+ Hollomon, J. Herbert
Holloway, Paul H.
Holm, Elizabeth A.
+ Holmberg, Milton E.
Holt, Richard T.
Holtzman, Arnold H.
Holzwarth, James C.
+ Honda, Soichiro
+ Hone, Andre
Honnart, Alain A.
+ Hood, A. Craig
Hook, Rollin E.
Hopkins, Richard H.
+ Hopkins, Robert Kingsley
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Professor and Chair
Johns Hopkins University
Baltimore, Maryland

For research contributions in the understanding of deformation mechanisms, intermetallic systems, and micro-scale mechanical testing.

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Research Group Leader, Life Prediction of Metals
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For outstanding contributions to the modeling of mechanical behavior and life prediction for advanced aerospace alloys and composite materials.

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Director of Technology and R&D
IQ Technologies Inc.
Akron, Ohio

For substantial and innovative contributions to thermal science and heat treating technologies, including development of novel quenching methods and application of computational models to thermal processes.

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Kevin S. Jones
Professor and Chair
University of Florida
Gainesville, Florida

For scientific contributions to the understanding of how point and line defects influence the performance of ion implanted semiconductors.

“Becoming a fellow of ASM is a source of great pride for me and something I greatly appreciate. The significance of this honor is magnified by the outstanding work that ASM does for teachers and students and the fact that it was one of the first Materials Societies.”

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Jones, Russell H.
Jones, William R.
Jorstad, John L.
For pioneering contributions to the field of thermal spray technology, notably in the understanding of stress evolution during deposition and the development of advanced corrosion control coatings.

For contributions to the development, commercialization, and standardization of advanced nonferrous casting and zinc-based coating technologies.

“"It is extremely gratifying to learn that my work over the course of four decades has been deemed valuable by my peers. In addition to benefiting from ASM activities, I focused on R&D and technology transfer to commercialize technology in metal casting, zinc alloy and organic coatings for steel, and zinc ingot production.”
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+ Ray, Robert L.
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Readey, Dennis W.
+ Rector, John H.
Reddy, Ramana G.
+ Reed-Hill, Robert E.
+ Reich, William A.
+ Reinsch, Wayne A.
Rennhack, Elliott H.
Reucroft, Philip J.
Reuther, Theodore Carl
Revie, R. Winston
Reyes Escobar, Alfonso
Reynik, Robert J.
+ Reynolds, Edward E.
+ Reynolds, Samuel D., Jr.
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+ Rice, Roy W.
Ray, Robert L.
Rice, William H.
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Richman, Roger H.
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Rigdon, Michael, A.
Rigney, David A.
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Rothman, Michael F.
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Schaffer, Robert E.
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+ Schapiro, Leo
+ Schieltz, Adolph
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Ronald H. Radzilowski
Manager, Manufacturing Technology
Severstal North America, Inc.
Dearborn, Michigan

For significant contributions to the application of metallurgical principles to the production of ferroalloys, superalloys, stainless steels and automotive carbon steels.

Ian M. Robertson
Donald B. Willett Professor of Engineering
University of Illinois
Urbana, Illinois

For pioneering studies using time-resolved transmission electron microscopy to study metal deformation processes in aggressive environments, as well as production and annihilation of defects.

James J. Scutti
Principal Engineer
Codman Neurovascular, Codman & Shurtleff
(a Johnson & Johnson Co.)
Raynham, Massachusetts

For outstanding contributions to the development of new and improved medical devices and industrial and aerospace products, and for outstanding service to ASM International.

“To be recognized by your peers and named a Fellow of your professional society is a great honor. I am humbled by this recognition and feel privileged to join the distinguished group known as ASM International Fellows.”
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Joel V. Bernier, Staff Scientist, Materials Modeling & Simulation Group, Lawrence Livermore National Laboratory; Michael G. Glavic, Senior Materials Engineer, Rolls-Royce Corporation; Matthew P. Miller, Professor, Sibley School of Mechanical & Aerospace Engineering, Cornell University; Jun-Sung Park, Currently a private in the South Korean National Army; and Adam L. Pilchak, Visiting Scientist, Universal Technology Corporation at Wright Patterson Air Force Base Research Laboratory.

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Kenneth S. Vecchio
Professor and Department Chair
University of California, San Diego
La Jolla, California

For contributions to the design of advanced multifunctional materials and advanced characterization of materials, and as an educator and mentor in materials engineering.

“To be named a Fellow of ASM is a wonderful honor that I value very highly. I joined ASM as an undergraduate at Carnegie Mellon University. ASM has played a significant role in advancing my career, and it has been a tremendous conduit to the entire Materials Science community.”

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Brian G. Thomas
C.J. Gauthier Professor of Mechanical Engineering
University of Illinois at Urbana-Champaign
Urbana, Illinois

For significant contributions to the modeling and understanding of the continuous casting of steel.

+ Denotes deceased
Paul T. Vianco
Distinguished Member, Technical Staff
Sandia National Laboratories
Albuquerque, New Mexico

For significant and sustained contributions toward understanding the physical and mechanical metallurgy of solders, and the long term reliability of interconnects.

“it is truly a tremendous honor to be selected for this prestigious award. ever since becoming a student member in the early 1980s, achieving “fasm” has been a career goal because of the high esteem with which i have always held asm.”

V

Vivés, Charles

W

Wego Wang
Aerospace Engineer
Federal Aviation Administration
Burlington, Massachusetts

For significant contributions to continuing education in materials science and engineering, and for integration of analytical methods into the practice of reverse engineering.

Zhenguo “Gary” Yang
Chief Research Scientist
Pacific Northwest National Laboratory
Richland, Washington

For outstanding contributions to materials for energy conversion and storage, and to the understanding of interconnects and their interfaces with electrodes in SOFCs.

“it’s a great honor to have been elected as a fellow of asm international that recognizes not only my personal achievement as a materials scientist, but also the accomplishment of the teams and the organizations i have been fortunately associated with in the past.”

Y

Yakemaneth, L. R.
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  Voorhees, Peter W.

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Wadsworth, Jeffrey
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  Was, Gary S.
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  Watson, James F.
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  + Weatherly, George C.
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