

## MRS MOVERS &amp; SHAKERS

*Spread the good news!*

**Richard Vaia**, Air Force Research Laboratory's Materials and Manufacturing Directorate, was recently elected a member of the US National Academy of Engineering.

He was selected for his distinguished contributions to engineering based on "aerospace applications of polymeric nanomaterials and for technical leadership in materials for national defense applications."

Vaia has pioneered discoveries in polymer nanocomposites that are used in stronger, lighter, and more functional components in commercial and military sectors.



**Chennupati Jagadish**, Distinguished Professor at The Australian National University, Australia, was recently elected a member of the US National Academy of Engineering.

He was selected for contributions to nanotechnology for optoelectronic devices.

Jagadish's research focuses on compound semiconductor optoelectronics, nanotechnology, photovoltaics, neuroscience, and neurotechnology.



**Kristi Anseth**, Distinguished Professor, Tisone Professor, and Associate Professor of Surgery at the University of Colorado Boulder, is a recipient of the L'Oréal-UNESCO For Women in Science Award for her outstanding contributions in converging engineering and biology to develop innovative biomaterials that help tissue regeneration and drug delivery.

There are five recipients of this award, and they are recognized alongside 15 Rising Talents, young women scientists from all over the world. UNESCO and L'Oréal Foundation actively support

women in science in order to increase their visibility, raise awareness of their talent, and inspire more of them to work in science.



**Chad Mirkin**, Director of the International Institute for Nanotechnology at Northwestern University, is the winner of the 2020 Philip Hauge Abelson Prize from the American Association for the Advancement of Science. The award is presented to a scientist or public servant who has contributed significantly to the advancement of science in the United States.

A professor of chemistry, chemical and biological engineering, biomedical engineering, materials science and engineering, and medicine, Mirkin is being honored for multiple contributions to the fields of chemistry and nanoscience.



**Anirudha Sumant** was promoted to Group Leader of Nanofabrication and Devices at Argonne National Laboratory. His current research interests include superlubricity, nucleation, and growth mechanisms of chemical vapor deposition diamond, graphene, and carbon nanotubes, microscale and nanoscale tribology, and electronic and mechanical properties of carbon-based materials.



**Tina Nenoff**, a senior scientist at Sandia National Laboratories, was recently elected a Fellow of the American Association for the Advancement of Science. She was awarded this honor for the "advancement of science in service to society" for her research and leadership in the field of nanoporous materials, particularly in ion and gas separations for energy and environmental applications.

**Congratulations to the following MRS members** for their recent election as Fellows:

**2019 American Association for the Advancement of Science Fellows**

**Chemistry**

**Stephen E. Bradforth**  
University of Southern California

**Paula Diaconescu**  
University of California, Los Angeles

**Jennifer A. Hollingsworth**  
Los Alamos National Laboratory

**Todd D. Krauss**  
University of Rochester

**Benjamin L. Miller**  
University of Rochester

**Thuc-Quyen Nguyen**  
University of California, Santa Barbara

**George C. Shields**  
Furman University

**Mark Urban**  
Clemson University

**Engineering**

**Andrea Alù**  
The City University of New York  
Advanced Science Research Center

**David Cahill**  
University of Illinois  
at Urbana-Champaign

**Ashutosh Chilkoti**  
Duke University

**Matthew DeLisa**  
Cornell University

**Dan Fleetwood**  
Vanderbilt University

**David H. Gracias**  
Johns Hopkins University

**Piotr Grodzinski**  
National Cancer Institute/  
National Institutes of Health

**Radenka Maric**

University of Connecticut/  
UConn Health

**Gopal R. Rao**

Materials Research Society

**Sharon L. Walker**

Drexel University

**Industrial Science and Technology****Ray H. Baughman**

The University of Texas at Dallas

**William D. Provine**

Delaware Innovation Space/DuPont

**Ellen D. Williams**

University of Maryland

**Physics****Reiner Kruecken**

TRIUMF/The University of British  
Columbia

**Kai Liu**

Georgetown University/  
University of California, Davis

**Vincent Meunier**

Rensselaer Polytechnic Institute

**Ivan I. Oleynik**

University of South Florida

**Mark George Raizen**

The University of Texas at Austin

**James Siegrist**

US Department of Energy

**Societal Impacts of  
Science and Engineering****William S. Kisaalita**

University of Georgia

**William R. Moomaw**

Tufts University

**2019 American Physical  
Society Fellows**

(Nominated Division)

**Husam Alshareef**

King Abdullah University of Science  
and Technology (Forum on Industrial  
and Applied Physics)

**Jiming Bao**

University of Houston  
(Division of Materials Physics)

**Katia Bertoldi**

Harvard University  
(Topical Group on Soft Matter)

**James William Bray**

GE Global Research  
(Forum on Industrial and Applied  
Physics)

**Jasna Brujic**

New York University  
(Topical Group on Soft Matter)

**Michael L. Chabinyk**

University of California, Santa Barbara  
(Division of Polymer Physics)

**Markus Deserno**

Carnegie Mellon University  
(Division of Biological Physics)

**Wenhui Duan**

Tsinghua University  
(Division of Computational Physics)

**Jutta E. Escher**

Lawrence Livermore National Laboratory  
(Division of Nuclear Physics)

**Hendrik F. Hamann**

IBM T.J. Watson Research Center  
(Forum on Industrial and Applied  
Physics)

**Kristjan Haule**

Rutgers, The State University of New  
Jersey (Division of Materials Physics)

**Can-Ming Hu**

University of Manitoba  
(Topical Group on Magnetism)

**Alan James Hurd**

Los Alamos National Laboratory  
(Forum on International Physics)

**Sohrab Ismail-Beigi**

Yale University  
(Division of Materials Physics)

**Robert A. Kaindl**

Lawrence Berkeley National Laboratory  
(Division of Laser Science)

**Lisa M. Manning**

Syracuse University  
(Division of Condensed Matter Physics)

**Masaki Oshikawa**

The University of Tokyo  
(Division of Condensed Matter Physics)

**Aydogan Ozcan**

University of California, Los Angeles  
(Division of Laser Science)

**Idalia Ramos**

University of Puerto Rico at Humacao  
(Forum on Education)

**Harry Francis Robey**

Lawrence Livermore National Laboratory  
(Division of Plasma Physics)

**Connie Barbara Roth**

Emory University  
(Division of Polymer Physics)

**Sayeeef Salahuddin**

University of California, Berkeley  
(Division of Materials Physics)

**Carlos Silva**

Georgia Institute of Technology  
(Division of Chemical Physics)

**Dimitris Vlassopoulos**

FORTH and University of Crete  
(Division of Polymer Physics)

**Charles Albert Weatherford**

Florida A&M University  
(American Physical Society)

**Marion M. White**

Argonne National Laboratory  
(Forum on Physics and Society)

**Jing Xia**

University of California, Irvine  
(Division of Condensed Matter Physics)

**Huili Grace Xing**

Cornell University  
(Division of Condensed Matter Physics)

**Xin Zhang**

Boston University  
(Forum on Industrial and Applied  
Physics)

**2020 Minerals, Metals & Materials  
Society (TMS) Fellows****Mark Asta**

University of California, Berkeley

**Diana Farkas**

Virginia Tech

**David McDowell**

Georgia Institute of Technology

**Neville Moody**

Sandia National Lab (Retired)

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*Do you have an announcement about yourself or a colleague that you'd like to share with the Materials Research Society and materials communities? We will publish a selection of these in upcoming issues of MRS Bulletin. Spread the good news and send your announcement to [Bulletin@mrs.org](mailto:Bulletin@mrs.org).*