



MRS authors recently elected to the US National Academy of Engineering

The US National Academy of Engineering (NAE) has elected 13 authors from the Materials Research Society (MRS), along with 74 additional new members and 17 foreign members, bringing the total US membership to 2297 and the number of foreign members to 272. Individuals in the newly elected class will be formally inducted during NAE's annual meeting in Washington, DC, on October 6.

Election to the NAE is among the highest professional distinctions accorded to an engineer. Academy membership honors those who have made outstanding contributions to "engineering research, practice,

or education, including, where appropriate, significant contributions to the engineering literature" and to "the pioneering of new and developing fields of technology, making major advancements in traditional fields of engineering, or developing/implementing innovative approaches to engineering education." A list of the newly elected MRS authors, along with their primary affiliations at the time of election and a brief statement of their principal engineering accomplishments, is below.

Founded in 1964, the NAE is a private, independent, nonprofit institution that provides engineering leadership in service.

The mission of NAE is to advance the well-being of the nation by promoting a vibrant engineering profession, and by marshalling the expertise and insights of eminent engineers to provide independent advice to the federal government on matters involving engineering and technology.

NAE membership includes senior professionals in business, academia, and government who are among the world's most accomplished engineers. They provide the leadership and expertise for numerous projects focused on the relationships among engineering, technology, and the quality of life.

Congratulations NEWLY ELECTED MRS AUTHORS



NATIONAL ACADEMY OF ENGINEERING
NAE.EDU

Joanna Aizenberg HARVARD UNIVERSITY

For contributions to understanding of biological systems and bioinspired materials design.

David J. Bishop

CELL-MET ENGINEERING RESEARCH CENTER, BOSTON UNIVERSITY

For contributions and leadership in high-capacity optical switch technology.

Pratim Biswas WASHINGTON UNIVERSITY IN ST. LOUIS

For advancing the science of aerosol dynamics and particle removal technologies.

Wei Chen NORTHWESTERN UNIVERSITY

For contributions to design under uncertainty in products and systems, and leadership in the engineering design community.

Ali Erdemir ARGONNE NATIONAL LABORATORY

For contributions to the science and technology of friction, lubrication, and wear.

Sharon C. Glotzer UNIVERSITY OF MICHIGAN-ANN ARBOR

For development of computer-based design principles for assembly engineering and manufacturing of advanced materials and nanotechnology.

Joseph Katz JOHNS HOPKINS UNIVERSITY

For development of optical methods in experimental fluid mechanics for turbomachinery, cavitation, turbulence, and environmental flows.

Anil Kumar PPG INDUSTRIES

For contributions in photochromism and variable polarization and leadership in commercialization.

Gareth H. McKinley MASSACHUSETTS INSTITUTE OF TECHNOLOGY

For contributions in rheology, understanding of complex fluid dynamical instabilities, and interfacial engineering of super-repellent textured surfaces.

Sharon L. Nunes IBM CORPORATION

For corporate leadership in development of next-generation green technologies, focusing on novel materials and processes.

Christopher A. Schuh MASSACHUSETTS INSTITUTE OF TECHNOLOGY

For contributions to design science and application of nanocrystalline metals.

Nicola A. Spaldin ETH ZÜRICH

For theoretical contributions to advance the field of multiferroics.

Susan Trolier-McKinstry THE PENNSYLVANIA STATE UNIVERSITY

For development of thin film multilayer ceramic capacitors and piezoelectric microelectromechanical systems.

MRSBulletin

MRS is built on a culture of collaboration across disciplines, around the world, and from science to applications. MRS publications embrace such diverse thought and reflect a dynamic community. If you have an idea for an article or theme for *MRS Bulletin*, email bulletin@mrs.org.