

## Rusty Gray elected to National Academy of Engineering

George “Rusty” Gray III (Materials Science in Radiation and Dynamic Extremes, MST-8) has been elected to the [National Academy of Engineering \(NAE\)](#). He was cited for “contributions to the understanding of the dynamic and shock-loading deformation and damage response of materials.” Election to the NAE is among the highest professional distinctions an engineer can attain.

Gray, who received a PhD in metallurgical engineering from Carnegie Mellon University in 1982, joined Los Alamos in 1985. In MST-8, he pursued fundamental and applied research primarily in the elucidation of the structure and property behavior of materials subjected to dynamic and shock-wave deformation. His research interests are in the structure/property behavior of materials under extreme conditions and the development and validation of predictive models of the strength and damage behavior of materials.

Rusty is a fellow of ASM International, American Physical Society, the Minerals, Metals and Materials Society (TMS), and Los Alamos. He has been a visiting fellow at Cambridge University, and a visiting scholar at the University of California, San Diego. He has served on several National Academies of Sciences advisory boards and panels, *Acta Materialia*'s Board of Governors, and as an Adjunct Professor at Ohio State University. In 2010, he served as the President of TMS. Since 2011, he has served as the Chair of the Acta Materialia, Inc. Board of Governors. Rusty has received a Los Alamos National Laboratory Fellows Prize, two Individual Distinguished Performance Awards, and an Award for Excellence in Technology Transfer.

This year, NAE elected 84 new members and 22 foreign members, bringing the total United States membership to 2,281 and foreign membership to 249. 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.”

NAE’s mission is to advance the well-being of the nation by promoting engineering and marshaling the expertise and insights of eminent engineers to provide independent advice to the federal government on matters of engineering and technology.

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