TMS Fellow

March 12, 2019

Thomas Bieler elected a Fellow of The Minerals, Metals and Materials Society

Thomas Bieler, a professor of chemical engineering and materials science at Michigan State University, has been named a Fellow of The Minerals, Metals and Materials Society (TMS). The honor is presented to less than 1 percent of the 13,000 members. There are currently less than 100 active fellows in the society.

His citation noted that he was selected for his “scientific and technological contributions to the understanding of the influence of grain boundaries and texture on the processing and properties of engineering alloys.”

Donald Morelli, chair of the Department of Chemical Engineering and Materials Science, said the TMS fellowship is one of the highest honors a materials scientist can receive.

“It reflects the high respect Dr. Bieler enjoys with his colleagues in the scientific community,” Morelli added.

Bieler said he shares the honor with his mentors, colleagues, and students.

“Outside of MSU, sabbatical mentors Lee Semiatin and Dierk Raabe, and colleagues such as Tae-Kyu Lee have provided timely opportunities,” Bieler noted. “Within MSU, K.N. Subramanian, Marty Crimp, Carl Boehlert, and Philip Eisenlohr and our students have enabled successful research.”

Bieler’s work focuses on mechanical deformation of metallic materials, texture and microtexture damage nucleation, and crystal plasticity finite element simulations of deformation in titanium alloys, solders, intermetallics, and refractory metals.
He previously was honored by TMS with the Distinguished Service Award and the Distinguished Scientist/Engineer Award. At MSU, he has been recognized with the Withrow Distinguished Scholar - Junior Award and a Withrow Teaching Excellence Award.

He came to MSU in 1989 after receiving his PhD in materials science at the University of California, Davis. Prior to his doctorate work, Bieler worked in the Experimental Mechanics Division at Sandia National Laboratories in Livermore, Calif. He was awarded a master’s degree in ceramic engineering at the University of Washington (1980) and a bachelor’s degree in applied mechanics at the University of California in San Diego (1978).

TMS
The Minerals, Metals & Materials Society (TMS) is a professional association that connects minerals, metals, and materials scientists and engineers who work in industry, academia, and government positions around the world.

Read more on the [2019 TMS Fellows](https://www.egr.msu.edu/news/2019/03/12/tms-fellow).

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