

The Magic of Nano-Surface Engineering

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Min Zou discusses effort to develop low-friction lubricant coatings for mechanical systems and biomedical implants.

In this month's Short Talks from the Hill, Min Zou, professor of mechanical engineering, explains nano-surface engineering and her effort to develop low-friction, lubricant coatings and surfaces for mechanical systems and biomedical implants.

For the past six years, Zou has served as director of the multi-institutional Center for Advanced Surface Engineering, made possible by a \$20 million grant from the National Science Foundation through its Experimental Program to Stimulate Competitive Research, otherwise known as EPSCoR.

The center consists of 10 universities in the state of Arkansas, involving faculty, postdoctoral fellows and students working to develop new materials and surfaces with multiple functions.

"Overall, the center has helped improve the research competitiveness of the state of Arkansas in the field of material science and engineering, and we continue to impact major industry sectors," Zou says in the podcast.

In her 19 years at the university, there isn't much Zou hasn't accomplished. She is an [Arkansas](#) Research Alliance Fellow and faculty member of both the Institute for Nanoscale Science and Engineering and the Materials Science and Engineering Graduate Program. She holds the Twenty-First Century Chair of Materials, Manufacturing, and Integrated Systems.

Read the [original article](#) on University of Arkansas.