

FOR IMMEDIATE RELEASE

STLE Launches New Podcast, “The Role of Nanotribology in the Quest for Sustainability”

Podcast offers insights on how nanotribology can help design more efficient, sustainable mechanical systems

Park Ridge, Illinois (December 14, 2021) — The Society of Tribologists and Lubrication Engineers ([STLE](#)) — the technical society for individuals in the field of tribology and lubrication engineering — is pleased to announce the immediate availability of a new, free podcast titled “The Role of Nanotribology in the Quest for Sustainability.”

Nanotribology is the branch of tribology that studies interactions of materials in an extremely small domain. Examining interactions among atoms and molecules at the nanoscale can help tribologists design mechanical systems with reduced friction and wear, improved efficiency and reduced emissions.

In this podcast episode, two experts, Steven Thrush, Ph.D. (Tribologist, U.S. Army DEVCOM Ground Vehicle Systems Center) and Marina Ruths (Professor of Chemistry, University of Massachusetts Lowell), provide insights on nanotribology, including how the evaluation of small scale tribological interactions can be critical for improving real systems.

The new episode is fourth in STLE’s podcast series, “Perfecting Motion: Tribology and the Quest for Sustainability.” The program is hosted by Neil Canter, Ph.D., STLE advisor, technical programs and services and Tribology and Lubrication Technology (TLT) writer and covers a wide range of tribology and lubrication topics — including additive manufacturing, lubricant additives, nano-lubricants, nano-additives, lubricant testing, graphene and more.

“Understanding friction and wear at a nanoscale allows us to design more efficient, more sustainable mechanical systems that can reduce energy consumption,” says Canter. “For instance, by studying the lubrication of aqueous systems, we can potentially unlock ways to move from lubricant systems to water-based type systems.”

STLE offers tribology and lubrication content in a variety of different formats — print, digital, video and now audio. To listen to STLE’s new podcast or to access archived episodes, visit www.stle.org/podcast or follow “Perfecting Motion: Tribology and the Quest for Sustainability” on [Spotify](#), [Apple Podcasts](#) and [Google Podcasts](#) and others to be notified when new episodes are released.

About the Society of Tribologists and Lubrication Engineers (STLE)

The [Society of Tribologists and Lubrication Engineers](#) (STLE) is the premier technical society serving the needs of over 13,000 individuals and 250 companies and organizations that comprise the tribology and lubrication engineering business sector. STLE members are employed by the world’s leading corporations, academic institutions and by governmental agencies dealing with science and technology. STLE supports these distinguished technical experts with a variety of professional education and certification programs. STLE is a professional technical society providing a selection of robust resources in technical research, education, and professional development delivered through programming, courses, events and periodicals on topics most important to you: safety, energy usage, maintenance, natural resources, wear and productivity.

Membership is available to those interested in staying current in the latest technologies, advancing their careers and making new professional connections from around the world. [STLE membership](#) is a low-cost investment with high professional rewards. For more information or to join today, download the [STLE Member Benefits Guide](#) and visit www.stle.org.

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