



SMU | LYLE
SCHOOL OF ENGINEERING

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SMU CYBER DEFENDER FRED CHANG AVAILABLE TO DISCUSS ARTIFICIAL INTELLIGENCE IMPLICATIONS TO CYBERSECURITY

DALLAS (SMU) – The National Academies of Sciences, Engineering and Medicine released the proceedings of a [workshop](#) today that considered the implications of machine learning and other artificial intelligence (AI) technologies to cybersecurity.

The workshop was chaired by SMU cyber defender [Fred Chang](#), who is available to talk about the findings. Dr. Chang is a member of the National Academy of Engineering and is Co-Chair of the Intelligence Community Studies Board of the National Academies of Sciences, Engineering and Medicine in Washington, DC.

Dr. Chang is the Chair of the Computer Science Department in SMU's Lyle School of Engineering and former Director of Research for the National Security Agency. He is also the Executive Director of SMU's [Darwin Deason Institute for Cyber Security](#) in the Lyle School and a Senior Fellow in the John Goodwin Tower Center for Political Studies in SMU's Dedman College. Additionally, Dr. Chang's career spans service in the private sector.

Dr. Chang was awarded the National Security Agency Director's Distinguished Service Medal and was the 2014 Information Security Magazine 'Security 7' award winner for Education. He is as a member of the Army Research Laboratory Technical Assessment Board of the National Academies and has served as a member of the Commission on Cybersecurity for the 44th Presidency. He is the lead inventor of two U.S. patents and has appeared before Congress as a cybersecurity expert witness on multiple occasions.

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About the Lyle School of Engineering

SMU's Lyle School of Engineering, founded in 1925, is one of the oldest engineering schools in the Southwest. The school offers eight undergraduate and 29 graduate programs, including master's and doctoral degrees, through the departments of Civil and Environmental Engineering; Computer Science; Electrical and Computer Engineering; Engineering Management, Information and Systems; and Mechanical Engineering. Lyle students participate in programs in the unique Deason Innovation Gym, providing the tools and space to work on immersion design projects and competitions to accelerate leadership development and the framework for innovation; the Hart Center for Engineering Leadership, helping students develop

nontechnical skills to prepare them for leadership in diverse technical fields; the Caruth Institute for Engineering Education, developing new methodologies for incorporating engineering education into K-12 schools; the Linda and Mitch Hart Institute for Technology, Innovation and Entrepreneurship, combining the innovative forces of Lyle and the Cox School of Business to integrate their expertise, resources and guidance to develop technology prototypes and create viable business plans; and the Hunter and Stephanie Hunt Institute for Engineering and Humanity, combining technological innovation with business expertise to address global poverty.