Matt Gaston, Ph.D.

Director, Artificial Intelligence Division

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Professional Experience

Dr. Matt Gaston is the director of the Artificial Intelligence Division at the Carnegie Mellon University Software Engineering Institute. He also holds an appointment as an Adjunct Associate Professor in the Software and Societal Systems Department in the School of Computer Science at Carnegie Mellon University. As the director of the AI Division, Dr. Gaston leads a team of researchers, engineers, and innovators who assist the US Department of Defense in developing and using AI capabilities that are reliable, responsible, safe, fair, and transparent. He is a leader of the community-wide National AI Engineering Initiative focused on establishing and growing the discipline of AI Engineering.

Dr. Gaston has over 25 years of experience at the intersection of advanced technology development and national security including serving in the United States Air Force, ten years at the National Security Agency, serving on advisory boards for research at national laboratories, and leading research and development activities across the community. Before joining the SEI, Dr. Gaston was the director of research at Viz, a business area of General Dynamics C4 Systems (GDC4S), where he led research activities for the Battle Management System Division. During this time, he also served as a member of the External Advisory Board for Sandia National Laboratory's Network Grand Challenge, which focused on novel techniques and computing paradigms for large-scale network analysis applications in cybersecurity, counter-proliferation, and other national security issues.

He has published in the fields of complex networks, machine learning, multi-agent systems, and operations research. Dr. Gaston holds a BS in Mathematics from the University of Notre Dame and an MS and PhD in Computer Science from the University of Maryland Baltimore County.

Company Information

The Software Engineering Institute is a federally funded research and development center sponsored by the Department of Defense and operated by Carnegie Mellon University. The SEI's headquarters are just off the main CMU campus in the Oakland section of Pittsburgh, PA.