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Matt was born and raised in Michigan, where he attended undergraduate school at Alma College. In 1999, he received his PhD in Physics from Rensselaer Polytechnic Institute (RPI), located in Troy, NY.

During his dissertation research, Matt worked with General Electric to help develop electronic materials for high frequency RF applications. After graduation, he was able to join full-time and worked on a variety of efforts from electronic packaging to wide band gap semiconductors. Matt later led a large research program developing technology in the area of photonics, more specifically ultra-fast optical communications and three-dimensional optical storage materials and systems. Matt was also Lab Manager for the Electrophysics and Materials organization, where he initiated new efforts in bio-electronics and monitoring applications.

Matt currently has the position of Principal Scientist with a research focus on Digital Twin and specifically computer modeling/simulation of physical assets, using first-principle physics and machine learning methods. Applications using the Digital Twins include performance optimization and cyber-security.

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