

Dr. Michael J. Hirsch is a proud West Chester University of Pennsylvania alumnus with a B.A. in Mathematics and Computer Science. He holds an M.S. in Applied Mathematics from the University of Delaware and a Ph.D. in Industrial and Systems Engineering (Operations Research focus) from the University of Florida.

Dr. Hirsch served as Senior Principal Scientist for Raytheon Technologies until 2014. While at Raytheon, he led small and large engineering teams, developed cutting-edge research, and transitioned that research into fielded programs for the Department of Defense. In 2014, he founded ISEA TEK, where he continues to serve as President and Chief Technologist. The company develops technologies using mathematically rigorous techniques from operations research, machine learning, and artificial intelligence. In the past nine years, Dr. Hirsch has personally grown ISEA TEK and has been awarded multiple government contracts from the Office of Naval Research, the Naval Air Systems Command, and the Defense Threat Reduction Agency. The company has also worked with several Fortune 100 companies. In 2022, Dr. Hirsch founded and serves as CEO of the software development company TOXEUS Systems. The company develops cloud-based technologies to solve the world's most challenging optimization problems.

Dr. Hirsch has published 58 peer-reviewed journal articles, book chapters, and conference proceedings, edited three books, holds five patents, and has presented his research 96 times at national and international conferences. He has received numerous awards throughout his life, including: the University of Florida Gator100 Award (2023) and the Raytheon Mentoring Excellence Award (2013). Dr. Hirsch will also be the recipient of the West Chester University Distinguished Alumni Award in April 2023.