MICHAEL HACKER – BRIEF BIOGRAPHY

Dr. Michael Hacker is Co-director of the Center for STEM Research (CSR) at Hofstra University in New York and has served as PI or Co-PI on 12 large-scale National Science Foundation (NSF) projects focused on improving teaching and learning in K-16 STEM education. Total funding received by the CSR since 1993 exceeds $35M.

Hacker formerly served as a classroom teacher, department supervisor, and university teacher educator. As the former New York State Education Department (NYSED) Supervisor for Technology Education, he co-managed the development of the New York State Standards for Mathematics, Science, and Technology, led the development of the NYS middle school Introduction to Technology syllabus, and initiated and managed the development of the state's Principles of Engineering high school curriculum. For over 50 years, engineering and technology education (ETE) has been at the core of his professional life.

He is a member of the International Technology and Engineering Educators Association (ITEEA) Academy of Fellows; received the Epsilon Pi Tau Distinguished Service Citation; the ITEEA Award of Distinction and State Supervisor of the Year award; and the Institute of Electrical and Electronics (IEEE) Engineers Mathematics and Science Education Award. He served as a member of the writing team that developed the U.S. national Standards for Technological Literacy.

Hacker attended public schools in New York City, was graduated from Stuyvesant High School, received his Bachelors and Masters degrees and administrative certification from the City College of New York, and received his Ph.D. from Ben Gurion University in Beer Sheva, Israel.

He has authored five secondary school textbooks, numerous journal articles, co-edited several scholarly compendia and international conference proceedings, and has served repeatedly as an NSF expert panel reviewer. His primary research interests are focused on engineering design pedagogy and interconnected STEM learning.