Biography

Dr. Gregory W. Auner is a Strauss/TEAMS (Technology and Engineering Applications in Medicine and Surgery) Endowed Chair and Professor of Electrical and Computer Engineering, Biomedical Engineering, Material Science, and faculty in the Department of Surgery at Wayne State University in Detroit, MI. He is the founder and director of the Smart Sensors and Integrated Microsystems (SSIM) program at WSU. He has developed an array of instruments, sensors and microsystems for federal institutions, research institutions, and industry. Approximately 80% of his research involves the research and development of Energy Devices, DoD and Homeland Security Sensors, biomedical microsystems and BioMEMS systems. Dr. Auner has formed a consortium within the Smart Sensors Program involving the Karmanos Cancer Institute (Ultrasonic Breast Cancer Detection System) and Children’s Hospital of Michigan (Robotic Surgery and Real-Time Surgical Diagnostics). His SSIM program, along with the Chiefs of Surgery at the Wayne State University School of Medicine, Detroit Medical Center, Karmanos Cancer Institute, Children’s Hospital of Michigan, Beaumont, Oakwood and Henry Ford Hospital Systems have created the technology and engineering applications in medicine and surgery (TEAMS) which is integrating state of the art science and technology into the field of medicine. He has over 25 patents (issued and pending) in the last several years for chemical, biomedical, and environmental sensors and microsystems. He has over 226 peer reviewed publications. He is the Co-Founder and Chief Technical Officer at Visca, LLC - a Wayne State University spin-off company which is headquartered in Troy, MI.