From Research to Reality: the Role of a Biomedical Engineer

Gianluca De Leo, PhD, MBA
Augusta University
Augusta, Georgia 30912
USA
gdeleo@augusta.edu

Dr. Gianluca De Leo joined Augusta University, formerly known as the Medical College of Georgia, in November 2014. Dr. De Leo received an MS in Electronic Engineering in 1999 and, a PhD in Bioengineering and Bioelectronics in 2003 from the University of Genova (Italy). He also received an MBA from Saint Louis University, Saint Louis, MO, USA in 2005. Dr. De Leo was involved in several projects related to e-health, health informatics, biomedical informatics and virtual reality, which were funded by the Italian Ministry of Health, the European Commission and, Microsoft Research, the Virginia Center on Aging and Small Business Innovation Research (SBIR) programs. Dr. De Leo has designed and led the development of several e-heath systems such as an automated telephone call center for the education and monitor of patients with diabetes, a game based virtual environment for helping children with cerebral palsy to walk on a treadmill, and a technology solution for increasing the communication skills of children with autism. Currently Robert Wood Johnson Foundation, the Unites States Department of Defense and the National Institute of Health support Dr. De Leo's research in innovation in public health informatics, communication disabilities and telemedicine. Dr. De Leo has published peer-reviewed articles in journals and proceedings and he presented at numerous national and international conferences. Dr. De Leo has been an invited speaker at international events and in the spring of 2018 he was an invited professor at Nanjing Medical University, People's Republic of China where he taught a course in public health, technology and innovation.