

## Class of IAHSI - 2020



**Gregory Alexander**

Dr. Alexander is the Helen Young CUPHSONAA Professor at Columbia University School of Nursing. Alexander has a broad background in informatics, gerontology, human computer interaction, instrument development, and quality improvement. He has specialized experience in nursing homes (NH), technology implementation, and Minimum Data Set derived resident outcome measures. Alexander is a Fellow in the American Academy of Nursing and American College of Medical Informatics. He is leading a research team that is for the first time ever, comparing national trends in NH minimum data set quality measurements, health deficiencies, and information technology implementation. Alexander has over 10 years of instrument development experience and psychometric evaluation. With the assistance of a large national team of NH administrators he has developed a valid and reliable instrument to measure NH Information Technology (IT) maturity and stage of IT maturity. The first instrument of its kind to measure information technology as part of NH structure and clinical processes. This measure has been used in two Agency for Healthcare Research and Quality (AHRQ) R01 grants (PI Alexander, 2013-2022). He has also applied similar measures in a large national multi-component demonstration project funded by Centers for Medicare and Medicaid (CMS). In this research, his team implemented a health information exchange system and monitoring adoption and use of technology designed to improve communication between different healthcare stakeholders to reduce avoidable hospitalizations in NHs.

Alexander has published widely in interdisciplinary, national/international journals including nursing, engineering, gerontology, health services research, and quality improvement. He currently has over 110 peer reviewed publications including the first book for IT implementation in long term care titled: *An Introduction to Clinical Health Information Technology for Long Term/Post-Acute Care Healthcare*. He has spoken around the world at conferences about his research. I have hosted international students (Norway, Korea, Africa, Oman) who are interested in gerontology and informatics. He is a Fulbright Scholar Alumni and served as a Visiting Professor at Macquarie University. He is currently serving a two year term as Fulbright Alumni Ambassador for the U.S. Department of State and the International Institute of Education.