

About the Editors

Dominick Fazarro, PhD is an ATMAE Senior Fellow and professor in the Department of Technology at the University of Texas at Tyler. Dr Fazarro has been researching nanotechnology safety for over fifteen years. He was a co-principal investigator on federally funded programs with the National Science Foundation (NSF) and Susan Harwood to address nanomaterial safety education and training. Dr Fazarro is recognized as a senior member by the IEEE Nanotechnology Council. He is a member of the U.S. National Committee (USNC) Technical Advisory Group-IEC TC 113 (Nano-Electrotechnologies). He has published over 40 peer-reviewed articles, book chapters, and presentations on the topic of nanotechnology safety education. Dr Fazarro facilitated the development of an online nano-safety certificate program with a short course. In 2016, Dr Fazarro along with the grant team was recognized by the National Academy of Engineering Exemplars of Engineering Ethics Education.

Dr Christie M. Sayes is a practicing research scientist, consultant, and academician in the fields of toxicology, chemistry, material science, and environmental health. Currently, she holds the position of Associate Professor of Environmental Science & Toxicology at Baylor University (Waco, Texas). Sayes is a subject matter expert in the chemistry of materials, exposure science, health effects, and risk. Her activities include working with partners, collaborators, and trainees in designing studies related to safety-by-design considerations of engineered substances and emerging contaminants used in pharmaceutical, agricultural, and consumer products. Sayes is also interested in *occupational safety* and *environmental transformations* of chemical and particle systems in complex matrices.

Walt Trybula, PhD, MBA, IEEE Fellow, SPIE Fellow, IEEE Distinguished Lecturer, is a Director of the Trybula Foundation, Inc., co-founder of GeoSingularity, Inc., an Adjunct Professor in the Ingram School of Engineering at Texas State University, past Director of the Nanomaterials Applications Center at Texas State, and past Director of the Center for Emerging Technology Commercialization at the University of Texas at Austin. As a Senior Fellow of the Technical Staff at SEMATCH, he was involved in the development of semiconductor lithography as it moved into the nano-realm. Walt has been involved in various aspects of nanotechnology since 1979 and was an early driving force in Nano-Safety.

Dr Jitendra S. Tate, professor of manufacturing engineering at Texas State University, has established safe handling practices for industrial (such as nanoclay) and engineered (such as carbon nanotubes) nanoparticles in his research and teaching, dealing with advanced polymer nanocomposites. His research areas include developing, manufacturing, and characterizing the high-performance polymeric thermoplastics and thermoset nanocomposites for Thermal Protection Systems (TPS), rocket ablatives, fire-retardant interior structures of mass transit and aircraft, lighter and damage-tolerant wind turbine blades, fiber-reinforced high-temperature composites, replacement of traditional composites using bio-based materials, sustainable composites from renewable resources, cellulose nanofibers, conductive/magnetic/high-temperature polymers for 3D printing, nanotechnology education, and nanotechnology safety.

Dr Craig Hanks is NEH Distinguished Teaching Professor of the Humanities and professor of philosophy at Texas State University. A winner of seven teaching awards, including the highest recognition at Texas State University and the University of Alabama in Huntsville, he has more than 20 years of experience teaching philosophy of technology, engineering ethics, and professional ethics. He has served Texas State on the

Institutional Animal Care and Use Committee (IACUC) and the Institutional Review Board (IRB), which he chaired for three years. Dr Hanks was a visiting associate professor at the Stevens Institute of Technology and has offered short courses and seminars on philosophy and ethics for teachers, from high school through to doctoral programs. He is an active member of the International Society for Philosophy and Technology, a member of the editorial board for *Philosophy in the Contemporary World*, and an editor for the book series *Philosophy of Engineering and Technology* (Springer).