

# The 19<sup>th</sup> U.S.–Korea Forum on Nanotechnology

---

## **Prof. Fazleena Badurdeen**

University of Kentucky, USA



Fazleena Badurdeen is the Earl Parker Robinson Chair Professor in the Department of Mechanical and Aerospace Engineering at the University of Kentucky. She also serves as the Director for the Manufacturing Systems Engineering master's program and is a core faculty member at the University of Kentucky's Institute for Sustainable Manufacturing, an internationally recognized center of excellence focused on cutting-edge research and technology development for sustainable products, processes and systems. Prof. Badurdeen is recognized for her expertise in sustainable and circular product design, measurement systems for circularity and sustainability evaluation, and modeling and analysis of manufacturing systems and supply chains. She has been involved in externally funded research exceeding \$20 million and has published over 150 peer-reviewed papers. Prof. Badurdeen is the founding Chair of the International Forum on Sustainable Manufacturing and has served as a Technical Vice President for the Institute of Industrial and Systems Engineers (IISE). She is also an Editor for the Resources, Conservation, and Recycling journal and serves on the editorial boards of a number of other journals. Prof. Badurdeen received her PhD in Integrated (Industrial and Mechanical) Engineering and MS in Industrial Engineering, both from Ohio University, USA. She also holds an MBA from the Postgraduate Institute of Management, Sri Lanka and BS in Engineering from the University of Peradeniya, Sri Lanka. Prof. Badurdeen is a Fellow of IISE.