



HFES FELLOWS PROFILE



Name: Ann Bisantz

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Short Biography: Dr. Bisantz has made substantial contributions to the field of human factors engineering, including investigating new techniques for displaying complex and uncertain information to decision makers; supporting the transition in complex work domains from legacy and manual information systems to more integrated, supportive IT systems; modeling human judgment and decision making; extending cognitive engineering methods which can be used to model complex human-technology work domains; and understanding aspects of human trust in automated systems. This research has been conducted in a number of complex work environments, including health care, military systems, emergency management, and transportation; and has included interdisciplinary collaborations with researchers in health care and information fusion. She has published a large number of journal articles, book chapters, and conference papers on these topics and has edited two books in the field. She has been PI or CoI on over 15M in funded research projects from agencies including the National Science Foundation, Agency for Healthcare Research and Quality, and numerous defense agencies. She is the past recipient of an NSF CAREER award, was recognized with a SUNY Chancellor's Award for Research and Creative Activity, and is a Fellow of the Human Factors and Ergonomics Society (HFES). She has served as an Associate Editor or on the Editorial Board of a number of journals (including the Journal of Cognitive Engineering and Decision Making, and Human Factors) and has served HFES as a member-at-large of the Executive Council and member of the Fellows Selection Committee.

Dr. Bisantz also has a distinguished record of education and academic service contributions which have had significant impact on students, the university and her research field. She has developed and taught a number of fundamental and advanced undergraduate and graduate courses in Human Factors Engineering and Industrial Engineering that have been highly regarded by her students. She has advised or mentored 60 MS and PhD students (a large percentage who are women or otherwise underrepresented in STEM) many of whom have gone on to successful academic or research careers. In 2017 she was awarded the Fitts' Education award from HFES for her contributions to human factors education, and also was elected Senior Vice President for Academic Affairs for the Institute of Industrial and Systems Engineers (2017-2019 term). As the ISE Director of Undergraduate Studies (2003-2009) she was responsible for student advisement and curriculum development, and led a successful accreditation of the undergraduate degree program. As Department Chair (2012-2018), she hired or promoted 15 faculty members, successfully launched new graduate and undergraduate programs, and invested in and overseen major improvements to undergraduate and graduate laboratories supporting teaching and research. Dr. Bisantz was appointed Dean of Undergraduate Education for the University at Buffalo in 2018 where she provides university-wide leadership in areas of undergraduate education and policy and



HUMAN FACTORS AND ERGONOMICS SOCIETY

oversees undergraduate curriculum development and approval, UB's general education program (UB Curriculum), undergraduate research and experiential learning, the Center for Excellence in Writing, and UB's Honors College.

Dr. Bisantz earned a PhD in Industrial and Systems Engineering, with a minor in Cognitive Science, from the Georgia Institute of Technology; and an MS and BS in Industrial Engineering from the University at Buffalo.

Advice for students: Don't be afraid to ask questions – It is the best way to learn!

Specialty Area(s): Academia & Teaching

Field of Interest(s): Automation; Cognition; Decision Making; Healthcare; Human Computer Interaction; Industrial Engineering; Task Analysis; User Experience/UX

Geographic Location: Buffalo, NY

Willingness to communicate with students/availability for face-to-face or virtual meetings: Yes, I am available

If you are willing to communicate with students, how can students contact you? Phone; Email

Fellow status: Active

Year inducted as Fellow: 2013

HFES Technical Group Affiliation(s): Cognitive Engineering and Decision Making Technical Group; Education Technical Group; Health Care Technical Group

Awards/Honors: Paul M. Fitts Education Award, Human Factors and Ergonomics Society, 2017; SUNY Chancellor's Award for Excellence in Scholarship in Creative Activities, 2015; Fellow, Human Factors and Ergonomics Society, 2013; Exceptional Scholar Program Young Investigator Achievement Award, University at Buffalo, 2002; NSF CAREER Award, 2000; National Defense Science and Engineering Graduate Fellowship, US Department of Defense 1990

Links to publications /Lab website/Research Gate or similar profile:

<https://scholar.google.com/citations?user=yFs-PHYAAAAJ&hl=en>