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Biographies

Tonya Smith-Jackson, PhD, CPE is a Program Director (rotator) at the National Science Foundation (NSF/CISE Directorate/IIS Division). The presentation topic is based on some of her work associated with the Center for the Advancement of STEM Leadership (CASL), which is funded by the National Science Foundation. Before her temporary leave, she served as Professor and Chair of the Department of Industrial and Systems Engineering at NC A&T State University. She is a CASL Leadership Fellow, Higher Education Resources Services (HERS) Fellow, and an NC A&T State University Executive Leadership and Professional Development participant. She earned her BS degree in psychology (University of North Carolina-Chapel Hill) and holds an interdisciplinary Master of Science degree from NC State University in Industrial Engineering and Psychology; her doctoral degree is in Psychology/Ergonomics. She is a Certified Professional Ergonomist, and a Fellow of the Human Factors and Ergonomics Society. Research areas include usability engineering, cognitive ergonomics, and sociotechnical systems applied to cyber-human systems, systems safety, learning systems, and training systems design. Research sponsors include NSF, National Institutes of Health, Department of Defense, and private industry (UPS, Toshiba). She has worked in industry and the federal government in the USA and abroad.

G. Don Taylor, PhD, PE is the Vice Provost for Learning Systems Innovation & Effectiveness and the Charles O. Gordon Professor at Virginia Tech. Prior to this position, he served as Interim Dean of the College of Engineering and as the Head of the Grado Department of Industrial Engineering at Virginia Tech. He has also held the Mary Lee and George F. Duthie Chair in Engineering Logistics at the University of Louisville and was the Director of The Logistics Institute at the University of Arkansas. He is a Fellow and Past-President of the Institute of Industrial and Systems Engineers (IISE), and is a Fellow and member of the Board of the World Academy of Productivity Science. He is a registered Professional Engineer.