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COLLEGE OF ENGINEERING
**GRADO DEPARTMENT OF
INDUSTRIAL AND SYSTEMS ENGINEERING**
VIRGINIA TECH.

Endowed Lecture Series 2017/2018

John Flach, Ph.D.
Senior Cognitive Systems Engineer
Mile Two LLC
Dayton, OH

Friday, February 9, 2018
2:00 p.m. – 3:00 p.m., 260 Durham Hall

Designing Perspicacious Systems

Over the last few decades there have been enormous advances in the power of information technologies. These advances have had a significant impact on how we think about automation, how we think about humans, how we think about work, and more generally how we think about intelligence and rationality (or what it means to be smart). I will suggest the term "perspicacious" (or perspicacity) as a better way to think about intelligence in relation to meeting the practical demands of modern life and work. This talk will use recent work in the healthcare domain to illustrate what it means for a system to be perspicacious and to explore the implications for designing smart technologies to help smart people to manage the messy problems of everyday life and work.

John Flach received his Ph.D. in human experimental psychology from The Ohio State University in 1984. After more than 30 years teaching and supervising graduate research in universities, he recently joined Mile Two LLC as a Senior Cognitive Systems Engineer. John has written extensively about Cognitive Systems Engineering (CSE) and Ecological approaches to human performance and design (including 3 co-authored books; 3 co-edited books; and more than 180 archival publications). After many years of talking and writing about CSE and EID, he welcomes the opportunity to test what he has learned against the challenge of designing practical solutions to contemporary business problems. To learn more about John, check out his Perspicacity blog: https://blogs.wright.edu/learn/johnflach/author/w001jmf/ or his extended bio: http://psych-scholar.wright.edu/flach

Light reception to follow seminar
in 260 Durham from 3:00 p.m. – 3:30 p.m.