

**Presenter:**

Dr. John Behrens, Director of Networking Academy Learning Systems Development, Cisco Systems, Inc.

**Title:**

How the digital revolution is changing assessment: An applied evidence-centered design perspective.

**Abstract:**

Human kind is in the midst of an unprecedented intellectual, social, and economic revolution fueled by digitization of information, and our ability to transform and transmit it. Working from the framework of Evidence Centered Design (Mislevy, Steinberg, & Almond, 2003) and contextualized by theories of technological transformation (e.g., Perez, 2002), the discussion will cover topics including World of Warcraft, Internet document search, how computer scientists recently discovered Principle Components Analysis, why I don't trust experts to construct assessments, whether we have too little or too much psychometrics in assessment, why Bayesians are no longer outcasts (mostly), and why I want to ban tests after delivering 85 million of them. Survival strategies for digital immigrants are recommended along with optimization strategies for digital natives.

**Bio:**

John Behrens is Director of Networking Academy Learning Systems Development at Cisco, and is responsible for the design and development of the Networking Academy's global on-line instructional offerings that integrate interactive curricular and assessment technologies with hands on activities. These curriculum, assessment, and gaming tools serve more than 700,000 students per semester in 165 countries across more than 10 languages.

Dr. Behrens' team integrates complex simulations in instruction and assessment and developed authoring tools to enable instructor-led visualization of abstract networking concepts. His research interests focus on the intersection of cognitive, statistical and computing issues in instruction, assessment, and on-line learning.

Dr. Behrens has published chapters in a number of widely used psychology reference books along with articles in a range of educational, psychological, and statistical journals. In addition to his work at Cisco, Dr. Behrens is an Adjunct Assistant Research Professor in the Department of Psychology at the University of Notre Dame (Indiana, USA). Dr. Behrens received his Master's Degree in Special Education and Ph.D. in Educational Psychology from Arizona State University. He received his B.A. in Psychology and Philosophy from the University of Notre Dame. Prior to joining Cisco, he was a tenured Associate Professor of Psychology in Education at Arizona State University.