Integrating an Awareness of Selfhood and Society into Virtual Learning

Part of the Advances in Educational Technologies and Instructional Design Book Series

Andrew Stricker (The Air University, USA), Cynthia Calongne (Colorado Technical University, USA), Barbara Truman (University of Central Florida, USA) and Fil Arenas (The Air University, USA)

Description:

Recent technological advances have opened new platforms for learning and teaching. By utilizing virtual spaces, more educational opportunities are created for students who cannot attend a physical classroom environment.

Integrating an Awareness of Selfhood and Society into Virtual Learning is a pivotal reference source that discusses the latest scholarly perspectives on creating meaningful learning and sensory engagement in virtual learning spaces, and examines how selfhood is expressed in these environments. Highlights emerging topics in education, such as gender considerations, leadership development, and situated learning.

Readers:

This book is ideally designed for professionals, practitioners, graduate students, and academics interested in the role of virtual reality in learning contexts.

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Topics Covered:

- Game-Based Learning
- Gender Considerations
- Health Education
- Leadership Development
- Situated Learning
- Social Network Analysis
- The Internet of Things (IoT)

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Andrew Stricker serves as a distributed learning architect for The Air University by helping to design, develop, and implement advanced and emerging learning technology innovations into U.S. Air Force educational and professional military education programs. Previously, Dr. Stricker served Vanderbilt University as associate provost for innovation through technology. He has also served 27 years as an Air Force officer and scientist specializing in learning sciences and human-factors engineering. His research is focused on modeling adaptive expertise and the design of learning technologies. His graduate work was conducted at Texas A&M University, College Station, Texas and Yale University, New Haven, Connecticut.

Cynthia Calongne is a professor with 20+ years of teaching and transforming minds at Colorado Technical University, and a public speaker with 210 conference presentations and keynote addresses. Her research blends software engineering, virtual reality, emerging media, game design, learning, and human-computer interaction. Prior to teaching, she served as a software engineer and systems programmer supporting the USAF Space Command and the USAF Training Command, worked as an analyst with the US Space Foundation, and served as a systems architect in Washington, DC. She contributed as Myxen to the Black Ops Team’s initial design of Will Wright’s community-inspired TV show Bar Karma for Current TV.

Barbara Truman, DCS holds a Master’s degree in Instructional Systems Design from UCF and a DCS in Computer Science, Emerging Media from Colorado Technical University. She serves as Strategic Advisor, Immersive Learning and Collaboration within the Mixed Emerging Technologies Integration Lab (METIL) in the Institute for Simulation & Training at the University of Central Florida (UCF). Her research involves Human Computer Interaction (HCI) using collaborative virtual environments (CVEs) and cyber-physical systems (CPS). She studies how avatar use can develop identity and authenticity useful for collaboration across communities within networked physical and virtual spaces. Barbara is also a founder of online learning at UCF.

Dr. Fil Arenas is an Associate Professor of Organizational Leadership Studies at the USAF Squadron Officer College, Maxwell AFB, Alabama. Reporting in August 2007, he is also the Course Director for three USAF distance learning programs to include the Squadron Officer School DL Course which currently hosts nearly 7,000 active students worldwide, developing advanced leadership skills in their professional military education. He received his doctorate degree from The George Washington University in Higher Education Administration. His current areas of research study focus on: virtual immersive learning, emotional intelligence, and transformational leadership. Dr. Arenas retired from the military after 28 years of faithful service (14 USAF & 14 USN) in 2005.