CCC Content Generation For Workforce Training Workshop
Georgia Tech Hotel and Conference Center
Atlanta, GA

Thursday March 14th, 2019

7:30 BREAKFAST
   Conference Seven

8:30 Opening remarks and Introductions
   Conference Four

9:00 Part I – State of Education/Training Technology Research
   Conference Four

   Presentations by Educational Technology researchers about the current cutting edge in incorporating technology in lifelong/workplace (rather than K-12 or university) education.

   1. Carolina Cruz-Neira, University of Arkansas - “Is VR the Future of Education?”
   2. Kapil Chalil Madathil, Clemson University

9:45 BREAK
   Conference Break Station

10:00 Part II – State of Education/Training in Practice
   Conference Four

   Presentations by Consumers of Education and Training on programs that exist today, and challenges they face.

   Presentations by Producers of Educational/Training Materials of the demand they see, and the tools they use.

   1. Chuck Spangler, SCMEP
   2. Erik Verlage, MIT- “Educational simulations and blended learning for workforce training in photonics”

10:45 Part III – State of Content Authoring Research
   Conference Four

   Presentations by Researchers in Content Authorship of new ideas for authoring systems and components of systems.

   1. Jessica Hodgins, CMU
   2. Blair MacIntyre, Georgia Tech and Mozilla
3. Steve Feiner, Columbia University

11:45 LUNCH
*Conference Seven*

12:30 Part IV - High-level views of the challenges
*Conference Four*

Virtual- and Augmented-Reality based Workforce Development Platforms for Robotics-enabled Advanced Manufacturing Environments: A Perspective from the Advanced Robotics in Manufacturing Institute
Rebecca Hartley, ARM Institute

Combining the Virtual and Physical Worlds in Synthetic Learning Environments for Advanced Skill Training: Application, Adoption and Content Development
Maribeth Gandy, IMTC, Georgia Tech
Paul M.A. Baker, CACP, Georgia Tech

1:30 Part V - Case Studies of applying VR/AR to training
*Conference Four*

Virtual and Augmented Reality Enabled Personalized Manufacturing Training
Rajesh Jha, SimInsights

The Challenges and Opportunities of Designing AR to Support Complex Problem Solving
Louise Yarnall, SRI Education

Case Study in VR Content Generation for Clemson University Center for Workforce Development
Anand Gramopadhye, Clemson University
Jeff Bertrand, Clemson University

2:30 BREAK
*Conference Break Station*

3:00 Part VI -- Research on Methods specifically aimed at Training
*Conference Four*

Omnidirectional Cinemagraphs for Safety Training
Eakta Jain, University of Florida
Ad hoc Allocentric AR-Based Team Training with Human-in-the-Loop Avatars and Aware/Influential Agents
Greg Welch, University of Central Florida

Creating Novel VR Tools for Spatial Design Training via Learning from Human Perceptions and Behaviors in Virtual Simulated Workplaces
Lap-Fai Yu, George Mason University
Tomer Weiss, University of California, Los Angeles
Christos Mousas, Purdue University

4:00  Open discussion
      Conference Four

4:30  Demo Field Trip

6:30  DINNER
      Ecco Midtown Restaurant (40 7th St NE, Atlanta, GA)

Friday, March 15th, 2019

7:30  BREAKFAST
      Conference Seven

8:30  Recap Day 2
      Conference Four

9:00  Part VII – Comparisons and Setting an Agenda
      Conference Four

10:00 BREAK
      Conference Break Station

10:30 Breakout Groups / Report Outlining
      Conference Four

11:45 Report Back
      Conference Four

12:00 LUNCH
      Conference Seven

1:00  Report Writing
      Conference Four

2:00 Meeting Ends