



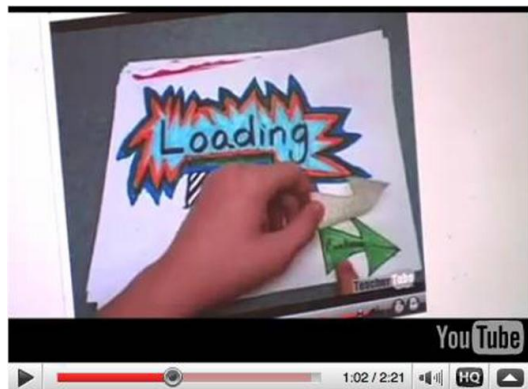
Research Colloquium Featuring  
**Dr. Idit Harel Caperton**  
President and Founder  
World Wide Workshop Foundation  
[www.WorldWideWorkshop.org](http://www.WorldWideWorkshop.org)

**Tuesday, March 9<sup>th</sup>, 2010 | 3:15pm-4:45pm | Location: UTA 1.208**

Hosted by Professor Lecia J. Barker, UTA School of Information

## Rethinking Education: Cultivating Computational Creativity and Inventiveness among Students, Educators, and School Leaders with GLOBALORIA

How can we nurture today's disengaged students to become self-driven learners who are creative and computationally capable? How can we help youth prosper in a high-tech, global economy and learn the vital skills needed to manage their careers, multifaceted communication and large-scale, collaborative projects? *"We cannot wait for higher education or selective professional training to do this,"* asserts our speaker, Dr. Idit Harel Caperton. *"We must start young and provide all children with ample opportunities to become proficient and fluent contemporary learners with technology."*



To help students develop sophisticated contemporary learning abilities, the World Wide Workshop Foundation has created **Globaloria**, a groundbreaking social learning network where students make games and simulations in a virtual design studio that's embedded in a social learning system, and fully integrated into school curriculum. Inspired by Constructionist learning theory, Globaloria's platform, tools and curriculum are designed to cultivate content knowledge, along with computational and cross-disciplinary skills. Qualitative and quantitative research methods are being used to assess the impact of this innovation on teaching and learning.

The Globaloria Program has been implemented and researched as a statewide innovation model in West Virginia since 2007, sponsored by the Knight Foundation, the Benedum Foundation, West Virginia Governor and First Lady Joe and Gayle Manchin, the West Virginia Department of Education (WVDE), Verizon-WV, and the Caperton Fund. In June 2008, the AMD Foundation launched a new program called *Changing the Game* to help youth harness the power of digital games with social content, while learning critical education and life skills. In 2009, AMD partnered with the World Wide Workshop Foundation to implement a customized Globaloria network in selected schools in cities where it operates. Globaloria provides a programmable turnkey solution that facilitates the AMD Foundation's mission to transform education through gaming. Their first pilot is conducted in partnership with Southwest Key Programs at their new, innovative charter school, the East Austin College Prep Academy (EACPA) located in a low-income community in East Austin, Texas. Starting at the 6th grade, all EACPA students participate in Globaloria for 90 minutes daily, to enrich and enhance their mathematics and science learning.

For partnership, collaboration, and information: [Laura@WorldWideWorkshop.org](mailto:Laura@WorldWideWorkshop.org)



**Dr. Idit Harel Caperton** is a pioneer in using new-media technology for cultivating creative learning, innovation, and globalization through Constructionist learning theory. She founded the World Wide Workshop in 2004 to leverage her unique blend of award-winning research, social entrepreneurship and leadership in new-media learning projects to grow educational innovation around the world. In 2006 the Foundation launched the Globaloria network to implement new ways of using social media technology and programmable Web 2.0 tools to teach innovative game-making and computational creative capacities to youth worldwide. Throughout the 1980s and 1990s, Dr. Harel Caperton conducted breakthrough research at the MIT Media Lab that led to publishing the book *Constructionism* with Seymour Papert. Her book *Children Designers* received the 1991 Outstanding Book Award by the American Education Research Association. In 1995, she founded MaMaMedia.com, pioneering kids' Internet media activities, established global distribution and advertizing partnerships, and won numerous honors, including the Computerworld-Smithsonian Award (1999), the Internet industry's coveted Global Information Infrastructure Award (1999), and the 21st-Century

Achievement Award from the Computerworld Honors Program (2002). In 2002, she was honored by the Network of Educators in Science and Technology and MIT "for devotion, innovation, and imagination in science and technology on behalf of children and youth around the world." In 2007-08 MaMaMedia activities were reprogrammed for Nicholas Negroponte's revolutionary project, One Laptop Per Child (OLPC). She holds degrees from Tel Aviv University (BA, 1982), Harvard University (EdM 1984; CAS 1985), and MIT Media Lab (PhD, 1988). She serves on several Advisory Boards (Harvard, MIT, CU-ATLAS, CUNY, PBSKids, TIG, MEET, and Saybot) being an esteemed adviser to commercial, governmental, higher education, and not-for-profit organizations on inventing, developing and harnessing innovative technology programs to transform education at all levels.