

Featured Speakers

- :: Dr. Claud Anderson
- :: Dr. James West



Invest **Urban**. Secure the **Nation**.

Panel of Experts

- Dr. Michelle Bondima
- Ms. Theodora Brown
- Mrs. Kim Carrington
- Ms. Leshell Hatley
- Mr. Ray Haysbert
- Dr. Edward Hill
- Dr. Gilbert Ogonji

Benjamin Banneker in History Heroes™



2nd Juxtapia Urban Learning Technology (JULT) Conference

JULT-2007

Invest Urban Secure the Nation

October 19, 2007

Morgan State University | University Student Center | 1700 E. Cold Spring Lane
Baltimore, MD., USA

Workshop Committee

Jayfus Doswell
Bill Grimmette
Leshell Hatley
Janice Reese
Brenda Tucker

Sponsored by

Daimler Chrysler Foundation
Dog Hall
IEEE Virtual Instructor Pilot Research Group
IEEE Learning Technology Task Force
Juxtapia, LLC
Raytheon Corporation
The History Channel Save Our History Program
Uplift, Inc.



Juxtopia Urban Learning Technology (JULT) Conference?

The Juxtopia Urban Learning Technology (JULT) showcases urban learning technology to improve the academic proficiency of underserved and disadvantaged youth. JULT speakers will present learning technologies that increase test scores in K-12 math, reading, science and social studies; improve self-confidence; and improve workforce skills and entrepreneurial preparation.

--Dr. Jayfus T. Doswell

: Hypothesis

If we invest in urban underserved and disadvantaged youth to improve their academic and technological proficiency through learning technology, we will increase the number of technically skilled American workers capable of supplying America's demand for a highly skilled workforce and a better quality of life.

: Why JULT?

The U.S. is falling significantly behind the rest of the world when it comes to technology innovation and proficiency that require skills in science, **technology, engineering, and math (STEM)**. This is even more daunting for historically disadvantaged youth, whose academic performance, noted through universal statistics, is below average around the world.

: The Juxtopia Group, Inc. Mission & Vision

Mission

The mission of The Juxtopia Group, Inc. is to improve human learning performance with science and technology research that adapts to individual learning needs, enhances cognitive performance, and augments human learning capabilities anytime, anywhere, at any-pace, and for anyone.

Vision

The vision of The Juxtopia Group, Inc. is to provide a national ubiquitous learning infrastructure that is:

- Affordable to all persons.
- Scalable to support continued improvements from learning/instructional technology research and continued educational demands.
- Based on empirically tested pedagogical models and learning theories.
- Easily accessible from multiple informal and formal learning environments including, school, home, work, recreational centers, museums, parks, among other environments.
- Adaptable to individuals with various learning styles and in multiple environmental contexts.
- Capable of supporting continued advancements in technology and engineering innovations.
- Capable of motivating, encouraging, and developing the next generation of multidisciplinary STEM leaders in all educational levels, the workplace, and in entrepreneurship.

: JULT Topics

- Ethnographic and case studies of learning technology around the world
- Mixed Reality urban learning environments
- Culturally competent learning games/competitions
- Intelligent agents that facilitate autonomous training
- Technology that improves motivation and retention
- Learning technology that maintains self-confidence and self-esteem
- Parental involvement
- Innovative urban mobile learning platforms
- Tracking and performance measurement technology
- Innovative uses of available infrastructure to improve urban learning
- Workforce skills preparation and entrepreneurship learning environments
- Teacher training to use technology throughout the curriculum

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Juxtapia Urban Learning Technology (JULT) 2007 Conference, October 19th
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October 19th 8:00am-5:00pm

Time	General Session (The Calvin and Tina Tyler Ballroom C)	
8:00	Registration and Breakfast	
8:30-9:00	Welcome <ul style="list-style-type: none"> • Introduction: Bill Grimmette, Master Storyteller, Manager of Ceremony. • Welcome: Dr. Jayfus Doswell, Conference Director. 	
9:00-9:50	Keynote Kick-Off “Invest Urban. Secure The Nation. The Vision of investing in urban youth?” Dr. Claud Anderson. Author, <i>PowerNomics: The National Plan</i> . Dr. Anderson will share his views on what African Americans need to do in order to have an economic share in the national and global economy.	
	JULT Growth Track (ages 18 and up) (The Calvin and Tina Tyler Ballroom C)	JULT Seeds Track (ages 10-17) (RM: 212A and 212B)
10:00-11:20	<p>Session 1: Build K-College Foundation Creating a Corps of Urban Natural Scientists Through Informal learning Activities: Portia York Eley, Boston’s Community Medical Group. The presenter will discuss a research goal to bring sound <i>scientific thinking</i> to urban children at an early age by using technology to help them and their parents maintain a continuous discourse around scientific and technological ideas.</p> <p>Case Application Suite: Supporting Case Use in Middle-School Project-Based Inquiry Classrooms: Jakita Thomas, IBM Almaden Research Center (ARC). The presenter will discuss ways to invest in middle school learning of science. Researchers will discuss a “case use” software driven pedagogy (i.e., Case Application Suite) to enhance project based scientific inquiry and augment teachers’ modeling and coaching.</p> <p>Epoch™: A Virtual Instructor Enabled Mobile Mixed-Reality Learning Experience Jayfus Doswell, The Juxtapia Group, Inc. The presenter will discuss an informal learning intervention that combines multi-user video-game and mobile learning to increase STEM literacy of middle and high school students.</p> <p>The Online Urban Education Book Club Helen Bond, Howard University. This presentation will discuss how the Urban Education Book Club improves pre-service teacher’s skills in technology and increases their knowledge of urban schools and urban communities.</p>	<p>JULT Edutainment Youth Thinkt: How do I Like to Learn STEM? Brenda D. Tucker, The Juxtapia Group Students will explore these questions, “How are math and science taught in my schools. How do I learn math and science?”; “How would I like to learn math and science?”; “Why don’t some students excel in STEM?”; “How can I make math or science more exciting?” “Why do I need to learn math or science?”</p> <p>JULT Rotation 1: RAPSAT™ and Brain Based Learning Ben Hall, The Juxtapia Group, Inc. In this rotation, students will combine “Power English” and mnemonic to strengthen their STEM language through “rap”. Students will learn RAPSAT to show off their knowledge of vocabulary and writing skills as well as receive exposure to see technology advances in computational photography and video production.</p> <p>JULT Rotation 2: HistoryHeroes™ Robert Andrews, Multimedia Director, West Wood College In this rotation, students will learn about some of the great scientists, technologists, engineers, and mathematicians of color through computer 3D graphics and animation. Students will learn how to use 3D Studio Max to create their history hero. Youth Thinkt: How do I Like to Learn STEM? Brenda D. Tucker, The Juxtapia Group, Inc. Student will break into groups to discuss their experience on the JULT rotations.</p>

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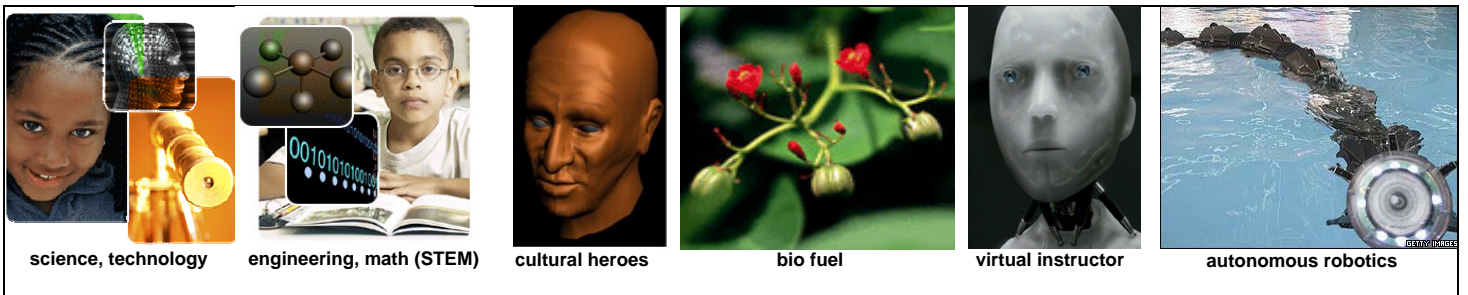
General Session (The Calvin and Tina Tyler Ballroom C)			
11:20-12:00	Roundtable Discussion Student leaders will meet in the General session and sit with entrepreneurs; urban learning technology researchers; parents; and teachers to present their JULT rotation results.		
12:00-1:00	Lunch and Networking: Lunch will be served in the Morgan State University Student Center Ballroom.		
1:00-1:50	Distinguished Speaker : Dr. James E. West, Inventor, Research Professor. Electrical Engineering, Johns Hopkins University. Dr. West will discuss his and other African American's Induction in the <i>National Inventors Hall of Fame</i> . Dr. West's challenge to youth will include "Three Programs for Children."		
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; text-align: center;">JULT Growth Track (ages 18 and up) (The Calvin and Tina Tyler Ballroom C)</th> <th style="width: 50%; text-align: center;">JULT Seeds Track (ages 10-17) (RM: 212A and 212B)</th> </tr> </table>	JULT Growth Track (ages 18 and up) (The Calvin and Tina Tyler Ballroom C)	JULT Seeds Track (ages 10-17) (RM: 212A and 212B)
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2:00-3:15	<p>Session 2: Cultivate STEM Workforce Skills Game Design as a Recruitment Tool to Increase Representation of African Americans in Computer Related Disciplines Yolanda Rankin, Northwestern University. This presentation will discuss how a team based pedagogical model, using computer video games, can motivate more African American students into computer related disciplines and develop solid software engineering skills in preparation for the competitive workforce.</p>	<p>Career Early Prep Youth Think Tank: What Do you Want to Be When U grow Up? Brenda D. Tucker, Juxtapia Group, Inc. Students will discuss what they want to be when they grow up and provide a candid discussion of what they think about STEM careers.</p>	
	<p>STEM Workforce training through Mobile Intelligent Service Robots. Ojai Mallory, Juxtapia, LLC. This presentation will discuss an innovative program that trains students for the high tech workforce environment through experience with mobile, intelligent, service-robot-challenges.</p>	<p>Maryland BRAC Preparation. Jayfus T. Doswell, Juxtapia Group, Inc. Participating students will be exposed to various types of technological and engineering careers that will result from the Maryland Base Realignment and Closure (BRAC) Initiative. The highest BRAC salaries are technology and engineering related jobs that range in annual salaries between \$80 to \$100 thousand dollars. Some of these jobs include:</p> <ul style="list-style-type: none"> • Computer Science • General Engineering • Operations Research • Telecommunications • Electronics Engineering • Information Technology Management • Equipment operations 	
	<p>The Evaluation of Computer Attitudes and the Validation of Computer Self Efficacy Scales of Minority Students at an Urban Community College. Tonja L. Ringgold, Baltimore Community College. This presentation discusses an assessment model of "computer self-efficacy" research that focuses on urban, minority, community college student populations.</p>	<p>Youth Think Tank: What Do you Want to Be When U grow Up? Brenda D. Tucker, The Juxtapia Group, Inc. Students will discuss what they want to be when they grow up and provide a candid discussion of what they think about STEM careers.</p>	
	<p>BRAC Biz 2011 Countdown Karen Emery Holt, Aberdeen Proving Ground Regional BRAC Manager. This presentation discusses the Base Realignment and Closure ("BRAC") initiative, the 40K to 60K jobs coming to Maryland; the \$86K to \$110K salaries for the high tech, STEM skilled jobs; and how parents, students, and teachers can prepare for this growing</p>		

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	technical workforce.	
3:15-3:40	Beverage and Networking Break : See vendors and JULT demonstrations. (CAARS, History Heroes, JURBAN)	
General Session		
3:40-4:00	<p>JULT Funding Identifying Funding For Your Urban Learning Technology Interventions <i>Jayfus T. Doswell, The Juxtopia Group, Inc.</i> Dr. Doswell will present:</p> <ul style="list-style-type: none"> • A list of funding sources for your learning technology interventions; • Strategies that principals and teachers can use to fund their educational programs; • How to communicate with program managers; • How to plan the fund raising process. 	
4:00-5:00	<p>JULT Panel: <i>Bill Grimmette, Master Storyteller, Manager of Ceremony</i> Distinguished Urban Learning Technology researchers, parents, students, teachers, entrepreneurs, and policy makers will discuss field questions from the audience about the value of investing in urban youth and the return on this investment. Panel participants include:</p> <ul style="list-style-type: none"> • Dr. Michelle Bondima, Dean of Business, Health, Sciences, and Mathematics, Baltimore City Community College • Ms. Theodora Brown, Esquire, Law Office of Theodora H. Brown, PLLC • Mrs. Kim Carrington, Parent, Urban Community Advocate • Ms. Leshell Hatley, Ph.D. candidate at University of Maryland College Park • Mr. Ray Haysbert, Entrepreneur, former CEO of Park Sausages • Dr. Edward Hill, Vice Chairman, Juxtopia, LLC • Dr. Gilbert Ogonji, Chair Biology, Coppin State University, Director of STEM Center 	
JULT-2007 Ends		

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Ideas & Notes: