

## Today's Agenda

- 8:10 Opening Remarks and Introductions
- 8:15 **The New Market Landscape of Higher Education**  
*Burck Smith*  
 CEO and Founder, StraighterLine
- 9:00 **Connecting Brain Research with Effective Teaching**  
*Mariale Hardiman, EdD*  
 Interim Dean, Johns Hopkins University School of Education  
 and Founder of the Neuro-Education Initiative
- 10:00 Break
- 10:15 **Design of the Future Classroom**  
*Ed Kohls*  
 Principal, Ayers Saint Gross
- 10:45 **How Education Technology is Transforming the Future Classroom**  
*Frank Bonsal III*  
 Director of Entrepreneurship, Towson University  
*Ryan Imbriale*  
 Executive Director of Department of Innovative Learning,  
 Baltimore County Public Schools  
*Jody Mitchell*  
 CEO and Founder, Directed Analytics  
*Ian Siegel*  
 CEO and Founder, SmartyReader
- 11:45 **Discussion and Wrap-Up**

Education is poised to undergo change over the next decade like none seen in modern age. Technology, workplaces, and social norms will place new demands on educational structures. At the same time, more opportunities for non-standard learning exist than ever before. In 10 years the STEM classroom in Maryland may look very different than what it does today. STEM Summit XIV explores four drivers of education transformation – technology, cognitive science discoveries, innovative design of learning spaces, and entrepreneurship – that will reshape how teachers teach and students learn.

### Speakers

**Burck Smith** is the CEO and founder of StraighterLine, an online provider of college courses. Ten years before launching StraighterLine in 2009, he co-founded SMARTHINKING (now a Pearson company), the largest online tutoring provider for schools and colleges. Burck has written chapters for three books on education policy for the American Enterprise Institute (AEI), and is a former independent consultant and journalist. Former clients and publications include the Gates Foundation, Microsoft, Computer Curriculum Corporation, the CEO Forum on Education and Technology, the Milken Exchange on Education and Technology, Teaching Matters Inc., Converge Magazine, Wired Magazine, Wired News, and University Business.

**Mariale Hardiman** is the Interim Dean of the Johns Hopkins University School of Education, Founder of the Neuro-Education Initiative at JHU, and author of *Connecting Brain-Research with Effective Teaching: Brain Targeted Teaching Model*. The Neuro-Education Initiative furthers the understanding of how research findings from the cognitive and neurosciences has the potential to inform teaching and learning through research, collaboration, and advocacy. In partnership with the School of Medicine, Kennedy-Krieger Institute, and the Brain Science Institute, this Initiative fosters dialog among educators and brain science researchers to develop joint research projects and enrich educational practices. Dr. Hardiman is the former principal of a Blue Ribbon School in Baltimore City and teacher.

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**Ed Kohls** is a principal at Ayers Saint Gross with more than 25 years of experience in the planning and design of academic buildings. He has worked on projects at the University of Arizona, Northern Arizona University, University of Virginia, Howard Community College and other institutions. Ed has served as president and board member of the Maryland and Baltimore AIA, a member of Maryland's architectural review board and an advisor to the University of Maryland's School of Architecture.

**Frank Bonsal III** has 25 years of experience advancing efficacy, innovation, and productivity in and around education and the knowledge economy. As the first Director of Entrepreneurship at Towson University, venture capitalist, and angel investor, Bonsal has helped hundreds of entrepreneurs. His direct investment experience includes over 25 education companies, half realized with tens of millions positively impacted.

**Ryan Imbriale** is the Executive Director of the Department of Innovative Learning for Baltimore County Public Schools. This department is dedicated to providing a quality, comprehensive educational program designed to address the needs of a diverse student population through the development and implementation of personalized digital learning environments. Ryan was formerly a high school principal and middle school teacher.

**Ian Siegel** is the founder of SmartyReader, a critical reading and writing enhancement tool for high school students, and the CEO and director of Streamline Tutors, a test prep and education consulting firm in Baltimore.

**Jody Mitchell** is the founder and CEO of Directed Analytics. Jody combined his professional experience as an engineer with his problem solving skills to create ForeSight Guided Path to Success (GPS), a web application that prepares 6th through 12th grade students for college success. ForeSight GPS students, parents, counselors, tutors, and mentors from secondary school to being prepared for college and assists the team with setting goals, monitoring progress, intervening, correcting and improving performance.

## STEM SUMMIT XIV



# THE FUTURE CLASSROOM

PRESENTED BY NORTHEASTERN MARYLAND TECHNOLOGY COUNCIL

July 14, 2016  
8 a.m. - 12 noon

Towson University in Northeastern Maryland Conference Center  
510 Thomas Run Road, Bel Air, MD 21014



The STEM Summit is a collaboration of businesses, government agencies, educational institutions, and non-profits brought together by Northeastern Maryland Technology Council and Aberdeen Proving Ground to ensure the preparation of our students for critical, high-impact STEM careers. For more information, visit [www.nmtc.org](http://www.nmtc.org).

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