Designing the Future of Education
about ISKME

ISKME is an independent, education non-profit established in 2002, whose mission is to improve the practice of continuous learning, collaboration, and change in the education sector. Based in Silicon Valley’s Half Moon Bay, California, ISKME supports innovative teaching and learning practices throughout the globe, and is well-known for its pioneering open education initiatives. ISKME also assists policy makers, foundations, and education institutions in designing, assessing, and bringing continuous improvement to education policies, programs, and practice.

ISKME develops research, tools, and services to advance the field of teaching and learning. Created in 2006, ISKME’s OER Commons is a dynamic digital content hub, offering a comprehensive infrastructure for teachers and curriculum experts to collaborate around the use, evaluation, and improvement of high-quality educational resources.

As part of that work, ISKME's professional learning services enable educators across the globe to actively engage in making education content localized, aligned to standards, and adapted to their own environments. Additionally, ISKME's Action Collab workshops engage participants in an ideation process focused on creating tangible solutions in education.

ISKME's interdisciplinary team includes social science researchers who study the use of data, information, and knowledge collaboration in education by conducting applied research and publishing in peer-reviewed journals, popular press, and social media.

ISKME's work culminates each year in December, when education mavericks and change-makers from around the world join us for Big Ideas Fest. This three-day event celebrates and explores innovation in education through hands-on workshops that engage participants in design-thinking, rapid prototyping, and collaboration to solve education challenges facing the world.

To learn more about ISKME, please visit www.iskme.org, or contact us at info@iskme.org.
Welcome

Big Ideas Fest 2013. Designing the Future of Education.

On behalf of the ISKME team, I would like to welcome you to our fifth annual Big Ideas Fest.

One of the things I enjoy most each year, as I walk through the halls at Big Ideas Fest, is finding out who you are and what brought you here. What I have heard is that no matter what your role in education – whether you are teachers, students, administrators, policymakers, edupreneurs, or philanthropists – you are the ones working to make the impossible possible. Here at Big Ideas Fest, we provide a boost by offering breakthrough thinking, innovative approaches to problem solving, and creative ways to harness the use of collaboration. Our hope is that these three days are a time for yourself and your own professional learning, and that you will leave energized for the challenges ahead.

We have designed Big Ideas Fest to allow you to develop, brainstorm, prototype, and ultimately create new solutions to design challenges that very well might change education forever. Our terrific slate of speakers will inspire but also move you to action as well. The students from Roadtrip Nation will park their RV on the roof of the parking lot, and invite you in to video tape an interview with you about your own careers and insights. And there will be plenty of time for informal conversations during fireside Tweetups, hanging out in the Media Lounge, or simply enjoying the beauty of the Pacific coast just a few steps away.

But mostly, Big Ideas Fest is about you, our participants. Our intention is to offer you this space to enjoy, learn, and share. For without your energy, inspiration, and experience, we would not be able to offer the immersive, inspiring, and mind-changing experience that makes our convening one of the most unique education conferences around.

Sincerely,

Lisa Petrides, Ph.D
ISKME, President and Founder
www.bigideasfest.org

Schedule

Wednesday 12.4

2:00 PM [Ballroom Foyer] Registration opens
4:00 PM - 5:00 PM [Miramar] Opening Activity Rebranding Education
5:00 PM - 6:30 PM [Ballroom Foyer] Opening Reception
6:30 PM - 7:30 PM [Ballroom]
Lisa Petrides, President, ISKME
Annie Mai, Director of Education, Roadtrip Nation
Dinner
Host: Qatar Foundation International
Sharing Your Story with Roadtrip Nation
7:15 PM - 8:15 PM [Ballroom] Keynote
Shiza Shahid, Co-Founder and CEO, Malala Fund
The Malala Fund: Mentoring the Next Generation of Change
8:30 PM - 11:00 PM [Media Lounge] Media Lounge open
Workshop Available 8:30 PM - 10:00PM: Opening up the Common Core: OER and CCSS Implementation
THURSDAY 12.5

7:30 AM - 9:00 AM [Media Lounge] Media Lounge Open
7:00 AM - 8:30 AM [Miramar] Breakfast
8:00 AM - 8:30 AM [RV] Meet Roadtrip Nation

8:30AM - 9:00 AM [Ballroom] Welcome and Introduction to Action Collabs
Lisa Petrides, President, ISKME, Jonah Houston, Senior Project Leader, IDEO, Chris Miller, Co-Founder, LifePlays, Samantha Meazell, Director of Training & Design, ISKME

9:10 AM - 10:05 AM [9 Locations] Meet Your Action Collab Cohort

10:05AM - 10:15AM Move to Ballroom

10:15 AM - 11:00 AM [Ballroom] Rapid Fire #1: Identify Opportunity
Emcee: Liz Dwyer, Education Editor, GOOD Magazine
Chris Emdin, Professor, Teachers College, Columbia University
Creating New Possibilities for Young People: When Urban Youth Culture Meets Science and Education
Nina Simon, Executive Director, Santa Cruz Museum of Art & History
Talking to Strangers: Building Shared Connections Around Unusual Objects
Taylor Mali, Founder, Quest for One Thousand Teachers
A Funky Thing Happened Along the Way to Inspiring a Thousand Teachers

11:10 AM - 12:30 PM [9 Locations] Action Collab #1: Identify Opportunity

12:30PM - 1:30PM [Ballroom] Lunch
Big Ideas in Beta Presentation

1:30PM - 2:15PM [Ballroom] Rapid Fire #2: Design
Emcee: Liz Dwyer, Education Editor, GOOD Magazine
Sean Pica, Executive Director, Hudson Link for Higher Education in Prison
Redefining Difficult: Running an Accredited Degree-Granting College Program Behind Bars
Larry Rosenstock, CEO and Founding Principal of High Tech High A Maker Space Called School
Michelle Fine, Author and Professor of Social Psychology at City University of New York
Youth Participatory Action Research – Cultivating Diverse Knowledge and Collective Action for Organizational Change

2:15PM - 3:45PM [9 Locations] Action Collab #2: Design

4:00PM - 6:00PM [Media Lounge] Media Lounge open
Workshops Available: 4:00 PM - 5:00PM: KQED Media Tools 5:00 PM - 6:00 PM: GoPro for Educators

6:30PM - 8:00 PM [Ballroom] Dinner
8:00 PM - 9:45 PM [Ballroom Terrace & Fireplace Patio] Tweetup
& Shores Tweetup with Robert Scoble and Roadtrip Nation

7:30 PM - 11:00 PM [Media Lounge] Media Lounge open
Workshop Available: 7.30 PM - 8:30PM: OER Global Remix Design Challenges

FRIDAY 12.6

7:30 AM - 9:00 AM [Media Lounge] Media Lounge open
7:00 AM - 9:00 AM [Miramar] Breakfast
8:00 AM - 9:00 AM [RV] Meet Roadtrip Nation

9:00 AM - 9:45 AM [Ballroom] Rapid Fire #3: Prototype
Emcee: Liz Dwyer, Education Editor, GOOD Magazine
Mo Qayoumi, President, San Jose State University
Re-imagining Higher Education for all Students
Aaron Horowitz & Hannah Chong, Co-founders, Sproutel
Playful Learning: Bringing Empathy to Healthcare

10:00 AM - 12:00 PM [9 Locations] Action Collab #3: Prototype

12:30 PM - 1:30 PM [Ballroom] Lunch
Host: Adobe Youth Voices

1:45 PM - 2:30 PM [Ballroom] Rapid Fire #4: Scale and Spread
Emcee: Liz Dwyer, Education Editor, GOOD Magazine
Nic Weidinger, Founder of WikiSeat
Seats of Change: From Experimental Design Project to Transformational Learning Model
Gabrielle Lyon Co-founder and Senior Explorer, Project Exploration
Changing the Face of Science By Designing for the Long Haul
Ali Partovi Co-founder, Code.org
An Hour of Code: Bringing the Gift of Computer Science to Millions

2:45 PM - 4:15 PM [9 Locations] Action Collab #4: Scale and Spread

4:15 PM - 4:45 PM Break

4:45 PM - 5:45 PM [9 Locations] Building Big Ideas: Taking Action Collabs Back Home

6:30 PM - 8:00 PM [Ballroom] Dinner
7:45 PM - 10:00 PM [Library/Bar] Dessert party

7:30 PM - 11:00 PM [Media Lounge] Media Lounge open

Workshops Available: 4:00 PM - 5:00PM: KQED Media Tools 5:00 PM - 6:00 PM: GoPro for Educators

6:30PM - 8:00 PM [Ballroom Terrace] Tweetup
8:00 PM - 9:45 PM [Ballroom Terrace & Fireplace Patio] Tweetup
& Shores Tweetup with Robert Scoble and Roadtrip Nation

7:30 PM - 11:00 PM [Media Lounge] Media Lounge open
Workshop Available: 7.30 PM - 8:30PM: OER Global Remix Design Challenges
Roadtrip Nation is a movement that empowers students to hit the road and interview leaders from all walks of life to learn how they got to where they are today. In 2009, RoadtripNation.org was created along with an educational curriculum to help students explore pathways relevant to their individual interests. This past school year, the Roadtrip Nation Experience guided more than 50,000 students across the nation to interview leaders in their local communities to explore pathways and opportunities for their futures.

Come see Roadtrip Nation in action. You are invited to have a cup of coffee with the Roadtrip Nation team every morning at their Green RV, located on the roof of the parking garage just outside the Big Ideas Fest Foyer. They’ll be interviewing people throughout the Fest, so make some time for this amazing group of students.

The Big Ideas Fest Media Lounge is your place to learn, create, share and experiment with technology. You can even come in to check your email, upload your photos, check out a wearable video camera, and more.

Meet Roadtrip Nation

The Big Ideas Fest currency of interaction is Buttonology. Share, collect, and wear them with pride. You have a few in your registration package and more can be earned from the Registration Desk, in the Media Lounge, in your Action Collab, and from your peer participants. Show off with “I’m Tweeting,” “Made Group Feel Brilliant” or “Friend of Roadtrip Nation” and give out “You Inspired Me.”

The Big Ideas Fest Media Lounge is your place to learn, create, share and experiment with technology. You can even come in to check your email, upload your photos, check out a wearable video camera, and more.

buttonology

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Shiza Shahid is co-founder and CEO of Malala Fund, the organization set up by the young Pakistani activist shot by the Taliban for her campaign for girls’ education. Shiza has supported Malala’s work since 2009, when she mentored Malala and others in a summer retreat in Pakistan to raise awareness about the Taliban’s attack on female education. A graduate of Stanford University, Shiza began her career as a business analyst at McKinsey & Company in the Middle East. She grew up in Pakistan and was an activist for girls’ rights from an early age. She is now leading Malala Fund in its work to empower girls for girls’ rights from an early age. She is now leading Malala Fund in its work to empower girls for girls’ rights from an early age.

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Nolan Bushnell is a technology pioneer, entrepreneur and scientist. Often cited as the father of the video game industry, he is best known as the founder of Atari Corporation and Chuck E. Cheese Pizza Time Theater. Bushnell was the first and only man to hire the late Steve Jobs and wrote the bestseller, Finding the Next Steve Jobs, published by Simon and Schuster in 2013. Mr. Bushnell is passionate about enhancing and improving the educational process by integrating the latest in brain science, and truly enjoys motivating and inspiring others with his views on entrepreneurship, culture, creativity, innovation and education.

Hannah Chung is a maker and a doodler. She is passionate about inventing an educational model that fosters creativity using design and technology. Hannah is currently co-founder and Chief Creative Officer of Sproutel, the creator of Jerry the Bear - an interactive learning aid for children with type 1 diabetes. She was named one of Inc Magazine’s “Top 15 Women to Watch in Tech” in 2012 and spoken numerous conferences including Design and Emotion, ACM Creativity & Cognition, RISD Mindshare, IFTF, and Women@TheFrontier by Singularity University and NASA. Before co-founding Sproutel, Hannah co-founded Design for America, a national student organization that helps students solve local social problems through design.

Liz Dwyer is the education editor at GOOD magazine. She has previously written on education, race, and parenting for several national media outlets. Dwyer previously worked as the education ambassador for the $20 million dollar Pepsi Refresh Project and has over fifteen years of experience in education, including teaching in both Guangzhou, China and Compton, California. She also worked on Teach For America’s Los Angeles staff, where she supervised first and second-year K–12 teachers in the Compton, Lynwood and Los Angeles Unified school districts. She sits on the boards of several education nonprofits, runs marathons, and manages her two sons in her spare time.

Christopher Emdin, Ph.D., is a Professor in the Department of Mathematics, Science and Technology at Teachers College, Columbia University, where he also serves as Director of Science Education at the Center for Health Equity and Urban Science Education. He is currently a Caperton Fellow and Hip-Hop Archive Fellow at the W.E.B. DuBois Institute at Harvard University. Dr. Emdin is a social critic, public intellectual and science advocate whose commentary on issues of race, culture, inequality and education have appeared in dozens of influential periodicals including The New York Times, Wall Street Journal, and Washington Post.

Marie Cini, Ph.D., is the provost and senior vice president for academic affairs at University of Maryland University College (UMUC). Prior to her current position, Dr. Cini was the vice president and dean for the Undergraduate School at UMUC. Dr. Cini has a broad academic background as an instructor and scholar, as well as administrative experience in both undergraduate and graduate program development and management. Dr. Cini has published and presented extensively on the topics of authentic assessment and academic integrity, leadership development in adult learners, retention and adult learners, and curriculum design for adult students. Her current interest is focused on the next generation of technologically-enabled post-secondary education.

Liz Dwyer is the education editor at GOOD magazine. She has previously written on education, race, and parenting for several national media outlets. Dwyer previously worked as the education ambassador for the $20 million dollar Pepsi Refresh Project and has over fifteen years of experience in education, including teaching in both Guangzhou, China and Compton, California. She also worked on Teach For America’s Los Angeles staff, where she supervised first and second-year K–12 teachers in the Compton, Lynwood and Los Angeles Unified school districts. She sits on the boards of several education nonprofits, runs marathons, and manages her two sons in her spare time.

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Michelle Fine, Ph.D.
Author and Professor of Social Psychology at City University of New York

Youth Participatory Action Research – Cultivating Diverse Knowledge and Collection Action for Organizational Change


Aaron J Horowitz
Co-founder, Sproutel

Playful learning: Bringing Empathy to Healthcare

Aaron is a maker; from sculptures to business, he is fascinated with the process of taking an idea from concept to reality. He is passionate about creating physical computing interfaces that change the way in which we interact with technology. He is currently co-founder and CEO of Sproutel, the creator of Jerry the Bear—a robotic learning tool for children diagnosed with type I diabetes. Aaron has shared his expertise in robotics and entrepreneurship through speaking at numerous conferences including CUSP, TEDxProvidence, IFTF, A Better World by Design, and MakerFaire NYC.

Gabrielle Lyon
Co-founder and Senior Explorer, Project Exploration

Changing the Face of Science By Designing for the Long Haul

Dr. Lyon is an education activist, convener, and non-profit leader. She synthesizes data-driven social justice work with education, championing the belief that high quality educational opportunity can and should be accessible to everyone, especially those to whom it has historically been closed. In 1999 Lyon co-founded Project Exploration, a high impact nonprofit dedicated to changing the face of science for underserved minority youth and girls. As the Director for Strategic Initiatives at Thirty Million Words, Lyon is helping grow the organization and build a national coalition of partnerships dedicated to closing the early language gap for young children growing up in poverty.

Taylor Mali
Founder, Quest for One Thousand Teachers

A Funny Thing Happened Along the Way to Inspiring a Thousand Teachers

Taylor Mali is one of the most well-known poets to have emerged from the poetry slam movement. Mali is vocal advocate of teachers, having spent nine years in the classroom teaching everything from English and history to math and S.A.T. test preparation. In 2012 he reached his goal of creating one thousand new teachers through “poetry, persuasion, and perseverance.” Based on the poem that inspired a movement, his book of poems, What Teachers Make: In Praise of the Greatest Job in the World, is his passionate defense of teachers. He is the author of two books of poetry, The Last Time As We Are (Write Bloody Books, 2009) and What Learning Leaves (Hanover, 2002), and four CDs of spoken word.

All Partovi
All Partovi Co-founder, Code.org

An Hour of Code: Bringing the Gift of Computer Science to Millions

All is a tech entrepreneur and seed investor. Ali is also a co-founder of computer education non-profit Code.org, and an active investor in sustainable food systems. He co-founded and sold two high-profile startups: Likee, acquired by MySpace in 2009, and LinkExchange, acquired by Microsoft for $265 million in 1998. His portfolio as an investor/ advisor has included such successes as Zappos, Facebook, and Dropbox, as well as newer ventures such as Lydia and OPOWER. As a visionary, he was among the first people to see the potential of the Facebook Platform (in 2007), and among the earliest to grasp the business opportunity of search (in 1997).

Sean Pickel
Executive Director, Hudson Link for Higher Education in Prison

Redefining Difficult: Running an Accredited Degree-Granting College Program Behind Bars

Sean is the Executive Director of Hudson Link for Higher Education in Prison, a not-for-profit organization that provides college education, life skills and re-entry support to incarcerated men and women to help them make a positive impact on their own lives, their families and communities. Sean’s responsibilities include program and operations management, business development, fundraising and implementation of the strategic goals and objectives of Hudson Link. Prior to joining Hudson Link, Sean was the Director of Club Access, a psychosocial clubhouse for adults with mental health disabilities, and a tenant advocate for the James Weldon Johnson Projects in East Harlem. Sean serves as a Senior Fellow with Mercy College’s Center for Social and Criminal Justice.

Mohammad Qayoumi
Mo Qayoumi, President, San Jose State University

Re-imagining Higher Education for all Students

Mohammad Qayoumi is the 28th president and a professor of electrical engineering at San Jose State University. He holds a bachelor’s in electrical engineering from the American University of Beirut and four degrees from the University of Cincinnati: a master’s in nuclear engineering, a master’s in electrical and computer engineering, an MBA and a doctorate in electrical engineering. He has over 32 years of engineering and administrative experience in several universities. He has also published eight books and more than 100 articles and chapters in books. He is a licensed professional engineer and a certified management accountant.

Larry Rosenstock
CEO and Founding Principal of High Tech High

A Maker Space Called School

Larry Rosenstock is CEO and founding principal of High Tech High (www.hightechhigh. org), a network of eleven K-12 public charter schools in California, and is Dean of the High Tech High Graduate School of Education. Larry taught carpentry in urban high schools in Boston and Cambridge and was principal of the Rindge School of Technical Arts, and of the Cambridge Rindge and Latin School. Larry directed the federal New Urban High School Project, and was president of the Price Charitable Fund. He is a winner of the Ford Foundation Innovations in State and Local Government Award, is an Ashoka Fellow, and won the McGraw Prize in Education.
big ideas in beta

ISKME invites Big Ideas Fest 2013 participants to test Action Collab ideas in the real world

Ready to test pilot your Action Collab idea in the real world? The keys to the plane are in your hands!

Phase One requires you to test it out, tell us about it, and then receive a $2,500 reward for your team’s work. Select teams will then be invited to advance in the Big Ideas in Beta program to Phase Two, where will receive additional support and funding to refine, prototype, and re-test their idea throughout 2014.

**Phase One**

1. Elect a project lead: Lead must be a Big Ideas Fest 2013 participant
2. State the value: Describe the unique value of the idea
3. Create a hypothesis: State the expected outcome of the first test
4. Test idea with the target audience: Minimum of 20 people in the data set
5. Collect data: Gather feedback about the test from the target audience
6. Analyze data: Measure the success of the test
7. Plan next testing phase: Make adjustments and outline the next set of tests for Phase 2

**Deadline for submitting final report for Phase One**
The deadline for submitting a report that documents the team’s initial test is March 31, 2014. Please send submissions to bigideas@iskme.org.

**Award**
Teams that fully demonstrate completion of the activities above will be awarded $2,500.

**Phase Two**
ISKME will select teams to advance to Phase Two of the Big Ideas in Beta program and will receive additional funds to support the further refinement of the idea throughout 2014.

Big Ideas in Beta is generously sponsored by Qatar Foundation International who is dedicated to promoting education as a force that facilitates collaboration across geographical, social and cultural boundaries.
workshops that spark innovation and transformational change in education

An Action Collab harnesses a group’s collective brainpower through a workshop of discovery and invention that results in tangible new solutions. Facilitated in small groups, the Action Collab process guides participants through a four-stage ideation process that focuses on research, design, prototype, and the scale and spread of an idea into reality.

starting points
LEARNING IS EVERYWHERE
COMMON CORE
BIG DATA

Design
Lisa Petrides, President and Founder, ISKME
Jonah Houston, Senior Project Leader, IDEO
Chris Miller, Co-founder, LifePlays
Samantha Meazell, Director of Training & Design, ISKME

Facilitators
Maggie Barber
Francine Gordon
Melissa Jones
Sabrina Klein
Erin O’Connell
Andrea Saveri
Megan Simmons
Khalid Smith
Natalie Thoreson
special thanks
