

MAKING CONNECTIONS TO BROADEN PARTICIPATION IN STEM

STELAR ITEST PI & EVALUATOR SUMMIT May 2-3, 2016

SUNDAY					
5:00 PM	7:00 PM	Early registration			
Prefunction AB					
6:00 PM		Birds of a feather dinner			
Prefuncti	ion AB	Meet at registration desk			
MONDAY					
7:00 AM	8:30 AM	Registration and breakfast			
Ballroon	n ABC	Round table discussions with program officers			
8:30 AM	9:00 AM	Welcome and networking			
Ballroon	n ABC				
9:00 AM	10:30 AM	Opening plenary			
Ballroon	n ABC	Sarita Pillai, PI, STELAR Center; Carrie Parker, co-PI, STELAR Center			
		David Haury, ITEST Program Director, National Science Foundation			
		Joan Ferrini-Mundy, Assistant Director of the National Science Foundation for Education and			
		Human Resources			
		Valerie Purdie-Vaughns, Associate Professor, Columbia University			
10:30 AM	11:00 AM	Break			
11:00 AM	12:15 PM	Morning breakout sessions			
Salor	1 1	Computer science/computational thinking			
		Computer science for all and what it means for ITEST			
		Michael Evans (facilitator), Corey Toler-Franklin, Alka Harriger, Chengcheng Li			
		In this session participants will learn about national efforts to support computer science			
		education for all students K-12, review and discuss ITEST activities that support this national			
		movement and consider the role ITEST should carve out as this effort moves forward.			
Ballroom C		Evaluation			
		Defining and measuring broadened participation in the context of evaluation			
		Angelicque Tucker-Blackmon (facilitator), Monya Ruffin (NSF), Karen Peterman, Leslie Herrenkohl			
		This session is a facilitated dialogue about how programs are defining and thinking about			
		broadening participation. We also discuss the role of evaluators in expanding our			
		conceptualization of broadened participation and how evaluations can be in service of making connections across diverse communities.			

MONDAY				
	Morning breakout sessions (continued)			
Ballroom A	Partnerships			
	Expanding our vision of what partnerships are and what they can do			
	Carrie Parker (facilitator), Rebecca Kruse (NSF), Joanna Totino, Sharon Locke			
	This session will begin with a discussion of how NSF is using the collective impact framework as a way to build partnerships with goals that lead to sustainable and/or scalable change. Two project PIs will then describe how these partnerships look in practice. Attendees will have an opportunity to join the conversation and to reflect on their current and possible partnerships.			
Ballroom B	Teacher professional development			
	New models and tools for effective teacher professional development			
	Alfred Hall (facilitator), Celeste Pea (NSF), Joan Walker (NSF), Kristin Malzahn			
	This session focuses on characteristics of effective models and tools for teacher professional development, as well as implementation strategies for achieving desired effects with various teacher populations.			
Salon 2	New principal investigator orientation			
	Welcome and orientation to ITEST & STELAR for new PIs			
	Sarita Pillai (facilitator), David Haury (NSF), Roberto Joseph, Lauren Birney			
	NSF Program Directors and STELAR staff, along with seasoned ITEST PIs, will share key program information and important project implementation insights for consideration by PIs as they launch their work. STELAR staff will provide information on how the center can provide direct assistance to projects in terms of implementing project work, addressing challenging research and evaluation issues, and helping broadly disseminate project information and findings.			
12:15 PM 1:30 PM	Lunch			
Ballroom ABC	Broadening participation on STEM round table discussions			
1:30 PM 2:30 PM	Plenary: Flash talks			
Ballroom ABC	ITEST projects 2016: From A to Z			
	Evaluation: Karen Peterman & Tandra Tyler Wood, Carol Engelmann; Partnerships: Janet Beissinger, Francis Quek, Ardice Hartry, Clarke Hill; STELAR: Carrie Parker			
	In these flash talks, modeled on Ignite (www.ignitetalks.io), presenters get 20 slides, which automatically advance every 15 seconds. The result is a fast and fun presentation which lasts just 5 minutes. Two presenters will focus on evaluation instruments and observation protocols, followed by guided table talks reflecting on their talks. Four presenters will then address partnerships, again followed by guided table talks on partnerships in ITEST. The session will end with a flash presentation from the STELAR Center.			
2:30 PM 2:45 PM	Break			
2:45 PM 4:00 PM	Afternoon breakout sessions			
Salon 1	Computer science/computational thinking			
	Common issues and concerns about computational thinking/computer science within			
	the ITEST community Alichard France (facilitator) Aloy Cyrn Jacqueline Leonard Jacob Adamii & Shana Barnehandani			
	Michael Evans (facilitator), Alex Gurn, Jacqueline Leonard, Joseph Adamji & Shona Ramchandani, David Webb, Jidong Huang			
	In this open forum participants will discuss issues and concerns within the ITEST community about computational thinking, including the evolving national definition, what CT looks like in practice in the K-12 setting and how CT is being integrated into K-12 curricula.			

MONDAY					
2:45 PM 4:00 PM	Afternoon breakout sessions (continued)				
Ballroom C	Evaluation				
	Innovative strategies being used to measure broadening participation or other project impacts				
	Karen Yanowitz (facilitator & presenter), Bernie Sibuma (co-facilitator), Anne Gold, Melissa Demetrikopoulos, Candiya Mann				
	Personnel from four ITEST projects will present ways to assess project impact on participants, using a variety of innovative methods. Discussion will include consideration of evaluation in the context of broadening participation.				
Ballroom A	Partnerships				
	Inclusive, multi-stakeholder partnerships from the ground up				
	Beth Schlemper (facilitator & presenter), Lauren Birney & Samuel Janis, Karla Eitel & Kay Seven, Ron Gray, Kathryn Guimond & Lauren Causey				
	This session explores the nuts-and-bolts of creating partnerships from the ground up that involve multiple partners for broadening participation.				
Salon 3	Scaling Up				
	Success strategies and challenges for achieving scale				
	Meg Blanchard (co-facilitator & presenter) & Jason Painter, David Reider, Paola Sztajn, Yichun Xie, Becca Schillaci (co-facilitator)				
	Speakers will reflect on the project components that have been successfully scaled, providing insight on what led them to their model. We will then turn to an un-scaled project and brainstorm on how best to extend their project content to a broader context.				
Ballroom B	Teacher professional development				
	Spreading ITEST innovations in PD beyond the funded ITEST community				
	Alfred Hall (facilitator), Carrie Parker, Kathy Bertram, Carolyn Staudt				
	This session addresses the Summit's theme of Broadening Participation by focusing on successful professional development practices and outreach strategies of ITEST projects. This discussion will also address ways in which successful findings may be shared beyond the ITEST community.				
Salon 2	Social media				
	Using social media in ITEST projects				
	Tony Streit (facilitator), Alka Harriger, Priya Mohabird, Grace Bachman				
	This session will explore the ways that social media is used in ITEST projects, both as an engagement opportunity with their target audience and as a broader dissemination tool. The panel will address such issues as: working with new users of social media; balancing time investment with impact; using video through social media; capturing student reflection data; assessing effectiveness within the social media space. The session will begin with engagement of the audience to better understand what brought them to the session and what questions they have about social media; each presenter will then talk minutes from their own experience and offer 2-3 observations or recommendations for further discussion.				
4:00 PM 5:30 PM	Break and poster setup				
7:00 PM 8:30 PM	Poster session				
Prefunction ABC Ballroom ABC	Light refreshments				
	Dinner on your own				

TUESDAY	
7:00 AM 8:00 AM	Breakfast
Ballroom ABC	Round table discussions with program officers and legislative visits check-in
8:00 AM 8:15 AM	Welcome and agenda review
Ballroom ABC	
8:15 AM 9:15 AM	Plenary: Accessibility in STEM
Ballroom ABC	Richard Ladner, Professor in Computer Science and Engineering, University of Washington
9:15 AM 9:30 AM	Break
9:30 AM 10:45 AN	Breakout sessions
Salon 1	Computer science/computational thinking
	Broadening participation in computer science and computational thinking: The ITEST context
	Joyce Malyn-Smith (facilitator), Fred Martin & Diane Schilder, Madeleine Schep, Matthew Johnson
	Participants in this session will hear from ITEST PIs who are leading ITEST projects with a computational thinking component. Participants will discuss how ITEST projects are defining, measuring and evaluation broadened participation.
Ballroom C	Evaluation
	Broadening participation through STEM ecosystems
	Leslie Herrenkohl (facilitator), Karen Peterman (co-facilitator)
	In this session, participants will learn more about the concept of STEM ecosystems and how a STEM ecosystems approach can help broaden participation in STEM. Then, they will think about how the STEM Ecosystem framework could help inform their current STEM educational efforts.
Ballroom A	Partnerships
	Building partnerships in after school programs
	Tony Streit (facilitator), Lynn Goldsmith, Tara Cox, Freida Reichsman, John Ristvey, Dale McCreedy This session will explore ways to harness partnerships to advance ITEST projects in an out-of- school setting. Specifically, the presenters will share challenges and lessons learned to date in their efforts to use collaboration to advance afterschool STEM workforce development experiences. The discussion will address the role of partnerships related to: working within a studio-type, free learning environment; developing effective professional development for informal educators; getting to common language around program models and instruction; engaging parents, families, and community; fostering authentic career pathway opportunities. The session will begin with engagement of the audience to better understand what brought them to the session and what questions they have; each presenter will then talk from their own experience and offer 2-3 observations or recommendations for further discussion.
Salon 3	Scaling Up
	Dissemination as a tool for achieving scale
	Lori Rubino-Hare (co-facilitator & presenter), Janet Beissinger, Glen Bull, Ashley Lewis Presser, Becca Schillaci (co-facilitator) This session is a facilitated conversation about how projects are effectively scaling up to broader contexts. Speakers will provide context and strategies from their own projects and then invite attendees to share their thoughts and experiences on how to overcome challenges in these dissemination efforts.

TUESDAY				
9:30 AM 10:45 AM	Breakout sessions (continued)			
Salon 2	Accessibility in STEM			
	Improving STEM teaching and learning, and workforce development for persons with disabilities			
	Carrie Parker (facilitator), Richard Ladner, Bob Ochsendorf (NSF)			
	Plenary speaker Richard Ladner and NSF program officer Rob Ochsendorf will provide an opportunity to further discuss accessibility in STEM, with a particular focus on the recent Dear Colleague letter encouraging targeted proposals.			
Ballroom B	Data collection and management			
	Data, technologies, and management strategies for reporting on broadening participation impacts			
	Angelicque Tucker-Blackmon (facilitator & presenter), Bernie Sibuma (co-facilitator), Rhonda Christensen, Gerald Knezek, Andrew Hayman			
	In this session, online systems and software technologies that create platforms in which data are easily managed, secured, visual and interactive are shared. Presenters address the problem of not being able to provide immediate access to data insights and limited financial resources to manage data repositories. Several Business Intelligence (BI) technologies that provide easily accessible and rapid deployment of data analytics are presented and research partners offer capacity building and expertise.			
10:45 AM 11:00 AM	Break			
11:00 AM 12:00 PM	Working groups I			
Salon 1	Computer science/computational thinking Facilitators: Joyce Malyn-Smith, Michael Evans			
Ballroom C	Evaluation/STEM ecosystems Facilitators: Bernie Sibuma, Leslie Herrenkohl, Clarke Hill			
Ballroom A	Partnerships Facilitators: Tony Streit, Beth Schlemper			
Salon 3	Scaling up Facilitators: Sarita Pillai, Glen Bull			
Ballroom B	Teacher professional development Facilitators: Carrie Parker, Alfred Hall			
Salon 2	Open Theme (Determined at Summit) Facilitators: Sarah MacGillivray			
12:00 PM 1:00 PM	Working lunch			
Ballroom ABC Salon 123	Working groups meet for lunch			
1:00 PM 1:45 PM	Working groups II			
Groups continue in same rooms	The second working group session will allow participants to continue conversations and make plans for ongoing collaborations.			
1:45 PM 2:00 PM	Break			
2:00 PM 2:30 PM	Plenary: Breakout session review			
Ballroom ABC	Facilitator summary of five strands and working groups			

TUESDAY 2:30 PM

3:30 PM NSF town hall and closing remarks

Salon 1

Town hall: NSF current priorities and future directions

Carrie Parker (facilitator), David Haury (NSF), Evan Heit (NSF Division Director), Arlene de Strulle (NSF), Rob Ochsendorf (NSF), Tasha Inniss (NSF)

NSF program directors will share key information on, and future directions of, current high priority initiatives including Computer Science for ALL, INCLUDES, and the recent Dear Colleague Letter on Research to Improve STEM Teaching and Learning, and Workforce Development for Persons with Disabilities. The NSF presentation will conclude with an audience Q&A.

WEDNESDAY

Legislative visits

Projects make information sharing visits to their states' congressional offices (by appointment only)



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