

# STELAR ITEST PI & Evaluator Summit

*Building the Foundational Skills of the Future Science  
and Engineering Workforce*

Thursday, June 15, 2017



This material is based upon work supported by the National Science Foundation under Grant No. DRL 1614697. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

# Icebreakers

- Where did your grandparents come from?
- What is your favorite STEM-learning experience from your youth?
- What is one interesting fact about you that others might not expect?
- What is your newest hobby?
- If you could meet one famous living personality, who would it be?
- If you could visit only one place in the world, where would you choose and why?



# Opening Remarks

Sarita Pillai, Principal Investigator, STELAR

David Haury, Program Director, Division of Research on Learning, NSF

William (Jim) Lewis, Deputy Assistant Director, Education and Human Resources Directorate, NSF

***Building the Foundational Skills of the Future Science and Engineering Workforce***



# Program Committee

Chadia Affane Aji, Tuskegee University

Nena Bloom, Northern Arizona University

Brendan Calandra, Georgia State University

Jamie Clayton, Morehouse College

Laura Conner, University of Alaska Fairbanks

Kathryn Guimond, Science Museum of Minnesota

Ardice Hartry, University of California, Berkeley

Samuel Janis, New York Harbor Foundation

M. Javed Khan, Tuskegee University



# Meeting Goals

- To share the latest ITEST program findings about innovative STEM education programming and research contributing to a more prepared and diverse workforce;
- To identify areas for PIs and evaluators to collaborate for greater impact in defining the foundational skills necessary for workforce education;
- To identify best-practices for preparing youth to participate fully in the workforce of the future



# Thursday Agenda

|         |                                      |                            |
|---------|--------------------------------------|----------------------------|
| 8:30am  | Welcome and Networking               | Ballroom ABC               |
| 9:00am  | Opening Remarks                      | Ballroom ABC               |
| 9:30am  | Keynote                              | Ballroom ABC               |
| 10:45am | Plenary: Flash Talks                 | Ballroom ABC               |
| 11:45am | Lunch & Legislative Visit Report Out | Ballroom ABC               |
| 1:45pm  | Thematic Meetups 1                   | Breakout rooms             |
| 3:15pm  | Strand Sessions 1                    | Breakout rooms             |
| 5:30pm  | ITEST Project Expo & Reception       | Prefunction & Ballroom ABC |
|         | Dinner on your own                   |                            |

# Friday Agenda

|         |                                   |                |
|---------|-----------------------------------|----------------|
| 8:30am  | Welcome and Agenda Review         | Ballroom ABC   |
| 8:45am  | Keynote Panel                     | Ballroom ABC   |
| 10:00am | Strand Sessions 2                 | Breakout rooms |
| 11:45am | Lunch                             | Breakout rooms |
| 12:45pm | Thematic Meetups 2                | Breakout rooms |
| 2:15pm  | Plenary: Strand Review            | Ballroom ABC   |
| 2:45pm  | NSF Town Hall and Closing Remarks | Ballroom ABC   |
| 3:30pm  | Goodbye!                          |                |

# Tweet!

## #ITEST2017

## #STELAR2017



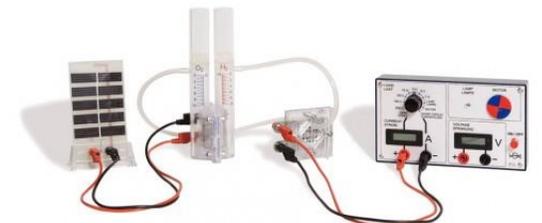
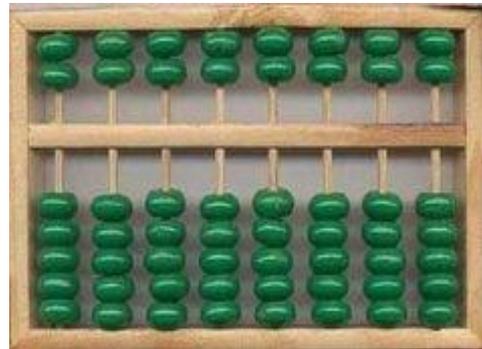
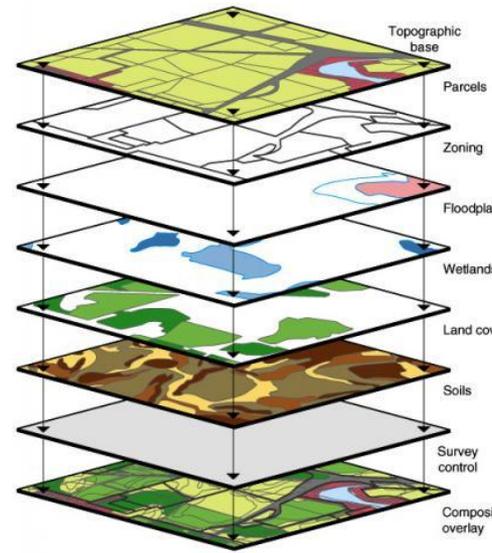
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# Keynote Address

## *The Frontier for the Future Workforce*

Reginald Brothers  
Principal, The Chertoff Group



# Flash Talks

*A peek into how ITEST is preparing today's youth for tomorrow's workforce*

Jeremy Babendure; Cheryl Bauer-Armstrong & Michelle Cloud;  
Jonathan Costa; Nicholas Garafolo

Fred Martin, Lijun Ni, & Diane Schilder; Karl Reid;  
Selma Šabanović; Takumi Sato



# Flash Talk: Table Discussions

- What is something new you learned?
- What do you want to learn more about?
- What connections do you see in your own work?



# Legislative Visit Report Out

*Presentations followed by Q&A – begins at 12:30pm*

Mike Barnett (MA)

Kirk Knestis (NY)

Kristie Koenig (NY)

Keisha Varma (MN)



# Afternoon Sessions: Thematic Meetups

|   |            |
|---|------------|
| Sustainability and scaling up                                 | Ballroom A |
| Strategies for teacher and student recruitment and retention  | Ballroom B |
| Effective partnerships - the good, the bad, and the ugly      | Ballroom C |
| Mentoring for impact and success                              | Salon 1    |
| Smart and connected communities: the ITEST context            | Salon 2    |
| Press and media strategies for disseminating project outcomes | Salon 3    |

# Afternoon Sessions: Strands

|  |            |
|--|------------|
| Strand 1. Sharing effective approaches and instrumentation for ITEST research and evaluation       | Salons 1-2 |
| Strand 2. Fostering innovation through inclusion and diversity in STEM education and the workforce | Ballroom C |
| Strand 3. Work at the frontier: Preparing students for the future STEM workplace                   | Ballroom A |
| Strand 4. Big data: ITEST's role in developing career pathways and data literacy                   | Ballroom B |



# ITEST Project Expo

Featuring 30 ITEST projects - See program book for details

*Light refreshments will be served*



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