



## CONFERENCE SCHEDULE

### THURSDAY, NOVEMBER 3

#### 4:00 p.m.-6:00 p.m.

**Poster Presentations/Registration** (North/South Foyers)

**University at Albany**

Enhancing the Academic Performance of Women and Historically Underserved Minority Populations in STEM Fields-Impacts of a Well-Trained Peer Tutor Workforce

**Buffalo State College**

Which Button Do I Push?

**SUNY Cobleskill**

How Do We Increase Success in Freshman Science Courses with a Population of Underprepared students?

**Empire State College**

Bringing the Science Laboratory Home

**Farmingdale State College and Stony Brook University**

Sustained LAIR/ITIM Expression is Linked to C1Q Mediated Dendritic Cell (DC) Differentiation Arrest at the Monocyte to DC Interface

**Farmingdale State College**

Steroid-Inducible Baby Boom System for Development of an Efficient Plastid Transformation Protocol in Arabidopsis Thaliana

Evaluation of Low Temperature Slurry Catalyst, Copper Zinc Oxide, in the Conversion of Carbon Monoxide in Biomass Synthesis Gas Using Water Gas Shift Chemical Reaction

**SUNY Fredonia**

Partnership with the Technology Incubator of SUNY Fredonia

**SUNY Geneseo**

A Time for Choosing: The Audacity of "Knowing"

**SUNY New Paltz**

Increasing the Retention of UREP STEM Students at SUNY New Paltz

**Old Westbury**

Promoting STEM Education to Diverse Student Populations in Long Island

**Stony Brook University**

Center for Inclusive Education at Stony Brook University

Collaboration and the Women in Science and Engineering Program at Stony Brook University

#### 6:00 p.m.-9:00 p.m.

**Evening Reception** (Ballroom AB)

*Welcome:*

**Carlos Medina**

Associate Provost and Associate Vice Chancellor for Diversity, Equity and Inclusion

*Remarks:*

**David Lavallee**

Executive Vice Chancellor for Academic Affairs and Provost

**Johanna Duncan-Poitier**

Senior Vice Chancellor for Community Colleges and the Education Pipeline

**Kenneth O'Brien**

President, University Faculty Senate

*Introduction of the STEM Committee Co-chairs:*

**David Ferguson**

**Letitia Thomas**

*Introduction of the STEM Committee Members*

Entertainment provided by Jazz/Latino, Inc.

### FRIDAY, NOVEMBER 4

#### 7:30 a.m.-8:30 a.m.

**Registration** (North Foyer)

**Breakfast** (Ballroom AB)

#### 8:30 a.m. - 9:45 a.m.

**Welcome/Introductions/Keynote Address** (Ballroom AB)

*Welcome:*

**Carlos Medina,**

Associate Provost and Associate Vice Chancellor for Diversity, Equity and Inclusion

*Speaker:*

**Nancy Zimpher**

Chancellor

*Keynote Speaker:*

**Irving McPhail**

President and Chief Executive Officer, National Action Council for Minorities in Engineering, Inc. (NACME)

#### 9:45 a.m.-10:00 a.m.

**Break**



## CONFERENCE SCHEDULE

### 10:00 a.m.-11:15 a.m.

#### Concurrent Presentations (Session I)

See complete workshop descriptions on pages 16-17

#### WORKSHOP #1 (Ballroom C)

*Binghamton University's Collaborative Efforts to Recruit, Retain and Release UREP STEM Students*

**Shanis Kent**

Binghamton University

#### WORKSHOP #2 (Ballroom D)

*Alliance for the Graduate Education and the Professoriate (AGEP) at Stony Brook University*

**Alexandra Corrales de Eilers**

**Leo Gafne**

Stony Brook University

#### WORKSHOP #3 (Ballroom E)

*Synergistic Model for Increasing Student Diversity Through Increasing Women Faculty Representation and Advancement in STEM: The NSF ADVANCE Program Model*

**Webe Kadima**

**Rhonda Mandel**

**Lisa Langlois**

**Preety Tripathi**

SUNY Oswego

#### WORKSHOP #4 (Beverwyck AB)

*STEP/CSTEP: The Student Pipeline to Success*

**Catherine Santos**

**Cleane Medeiros**

**Barbara Dahn**

**Darshini Roopnarine**

**Nakeia Chambers**

SUNY Oswego

#### WORKSHOP #5 (Ten Broeck AB)

*Expanding the Engineering Pathway for Underrepresented Minorities*

**Aileen Walter**

**Raluca Cocianga**

National Action Council for Minorities in Engineering, Inc. (NACME)

#### WORKSHOP #6 (Van Rensselaer AB)

*Increasing Retention of Women and Historically Underserved Minority Populations in STEM Fields - Lessons Learned From an NSF-Sponsored STEP Grant*

**Rabi Musah**

University at Albany

### 11:15 a.m.-11:30 a.m.

**Break**

### 11:30 a.m.-12:45 p.m.

#### Concurrent Presentations (Session II)

See complete workshop descriptions on pages 17-18

#### WORKSHOP #7 (Ballroom C)

*STEM and Afterschool: Powerful Partners for Building Capacity, Engagement, and Achievement*

**Lisa Mielke**

The After-School Corporation (TASC)

#### WORKSHOP #8 (Ballroom D)

*Building Bridges in STEM: Expanding SUNY's Collaborations Among Community Colleges and Four-Year Institutions*

**Joseph Skrivanek**

Purchase College

**T. Jeffrey Scott**

SUNY Office of Diversity, Equity and Inclusion

#### WORKSHOP #9 (Ballroom E)

*Leveraging Grant-Funded Science, Technology, Engineering and Mathematics (STEM) Undergraduate Programs to Optimize Student Success*

**Candice Foley**

Suffolk County Community College

#### WORKSHOP #10 (Beverwyck AB)

*K-12STEM@SUNYIT*

**Elizabeth Rossi**

SUNYIT

#### WORKSHOP #11 (Ten Broeck AB)

*STEM Smart: Partnerships Providing a Pathway to STEM Careers*

**Christine Veloso**

Stony Brook University

#### WORKSHOP #12 (Van Rensselaer AB)

*Professional Science Master's Degrees: Partnerships Between STEM, Higher Education and Business*

**David King**

SUNY Oswego

### 12:45 p.m.-2:00 p.m.

#### Lunch/Networking/Keynote Address (Ballroom AB)

*Keynote Speaker:*

**Lorelle Espinosa**

Director of Policy and Strategic Initiatives, Institute for Higher Education Policy (IHEP)

### 2:00 p.m.-2:15 p.m.

**Break**



## CONFERENCE SCHEDULE

### 2:15 p.m.-3:30 p.m.

#### Concurrent Presentations (Session III)

See complete workshop descriptions on pages 18-19

#### WORKSHOP #13 (Ballroom C)

*Partnering for Greener and Sustainable Design-Related STEM Curriculum: Improving Outcomes for Women and the Environment*

**Karen Pearson**

**Elaine Maldonado**

Fashion Institute of Technology

#### WORKSHOP #14 (Ballroom D)

*21st Century Building Bridges to Success in STEM and Social Sciences*

**Tamu Chambers**

Hudson Valley Community College

#### WORKSHOP #15 (Ballroom E)

*Closing the Loop: A Case Study in the Use of Formative Program Evaluation to Direct the Successful Modifications in an Intensive Summer Research Program*

**Karen Singer-Freeman**

Purchase College

#### WORKSHOP #16 (Beverwyck AB)

*Exploring Information Systems, Exploring Yourself: Setting the Stage for Success*

**Diane Shichtman**

**Patricia Wheeler**

Empire State College

#### WORKSHOP #17 (Ten Broeck AB)

*SER/VE (the STEM Exploratory Real/Virtual Environment): Connecting Science Education and Urban Youth, virtually*

**Eileen O'Connor**

Empire State College

#### WORKSHOP #18 (Van Rensselaer AB)

*Retention of a Diversified STEM Workforce Through Mentoring and Undergraduate Research Activities at SUNY Oswego*

**Shashi Kanbur**

**Cleane Medeiros**

**Lorrie Clemo**

SUNY Oswego

### 3:30 p.m.-3:45 p.m.

**Break**

### 3:45 p.m.-5:00 p.m.

#### Plenary Session (Ballroom AB)

*The Future of STEM Education*

STEM education is of the utmost importance to all students and is critical to U.S. competitiveness. This has been recognized since World War II, and was reiterated by President Obama in a recent town hall event on Facebook's Palo Alto campus. Government agencies and private foundations have supported countless numbers of programs aimed at improving STEM education. In particular, there have been emphases on programs that use new pedagogies as well as those that target underrepresented minorities and women. Yet, despite all of these efforts, the STEM workforce in the U.S. still lags behind other nations. This plenary session has gathered together three experts in science education from two government agencies and a private foundation to discuss what we must do to produce a larger, more productive, and diverse STEM workforce.

*Speaker/Moderator:*

**Margaret Ashida**

Director, Empire State STEM Learning Network

*Introduction of Plenary Panel Members:*

**Susan Hixson**

Program Director, National Science Foundation (NSF)

**Frank Mayadas**

Senior Advisor, Sloan Consortium

**Cliff Poodry**

Director, National Institutes of Health (NIH)

Co-chairs will close out conference

### 5:00 p.m.-5:30 p.m.

**Questions/Next Steps/Closing Comments**



## STEM CONFERENCE EVALUATION

Thank you for attending the STEM Conference. We value your opinion and would like to know what you thought about the format, various presentations and speakers. Please take a few moments to complete the survey by going to <http://www.suny.edu/provost/stem/>. Your responses will be key to planning future events.