



SENCER CENTER FOR INNOVATIONS – MID ATLANTIC  
 “SENCER Regional Conference”  
 October 16, 2015  
 New York City College of Technology – City University of New York

## PROGRAM

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 9:00 am       | <i>Registration, Breakfast, Networking</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A632 |
| 9:30          | <b>Greetings: Associate Provost Pamela Brown,<br/>Professor Urmi Ghosh-Dastidar</b>                                                                                                                                                                                                                                                                                                                                                                                                               | A632 |
| 9:45          | <b>SENCER Update: Monica Devanas</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              | A632 |
| 10:00         | <b>"Challenges of the 21st Century"<br/>Dr. Eugene Fiorini<br/>Truman Koehler Professor of Mathematics, Muhlenberg College</b>                                                                                                                                                                                                                                                                                                                                                                    | A632 |
| 11:00         | <i>Break, Program continues in Room N119</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |
| 11:15         | <b>“Brownfield Action and the Creation of the STEM Workforce with Women<br/>Underrepresented in the Sciences”</b><br>Peter Bower, Environmental Science, Barnard College, Columbia University                                                                                                                                                                                                                                                                                                     | N119 |
| 11:30         | <b>“Interactive Higher Education Instruction to Advance STEM Instruction in the<br/>Environmental Sciences – the SENCER Model Brownfield Action”</b><br>Joseph Liddicoat and Peter Bower, Environmental Science<br>Barnard College, Columbia University                                                                                                                                                                                                                                           | N119 |
| 11:45         | <b>“Calculus without Limits: A Visual Approach to the Rules of Calculus”</b><br>Andrew Grossfield, Mathematics, Vaughn College                                                                                                                                                                                                                                                                                                                                                                    | N119 |
| 12:00<br>noon | <b>“SENCER Approach in Human Anatomy and Physiology Courses: Contextualizing<br/>Physiology through a Student-Driven Inquiry into Food-Related Social Issues”</b><br>Anna Rozenboym, Biology, Kingsborough Community College                                                                                                                                                                                                                                                                      | N119 |
| 12:15 pm      | <i>Posters, Networking, Luncheon</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                              | N119 |
| 1:15          | <b>"When There is No College Reading"</b><br>Davida S. Smyth, Biology, Mercy College<br>Juanita But, English, New York City College of Technology                                                                                                                                                                                                                                                                                                                                                 | N119 |
| 1:30          | <b>“Thinking Green: Improving Student Learning and Environmental Awareness”</b><br>Eugene Galperin, Mathematics, East Stroudsburg University                                                                                                                                                                                                                                                                                                                                                      | N119 |
| 1:45          | <b>“Cross-Disciplinary Infusion of Quantitative Reasoning (QR) Across CUNY Schools”</b><br>Heidi Bertels, Management, College of Staten Island<br>Lee Boyar, Business and Technology, LaGuardia Community College<br>Maria Cipriani, English, John Jay College<br>Rebecca Farmer Huselid, Psychology, Hunter College<br>Janet Michello, Social Science, LaGuardia Community College<br>Brandi Rima, Social Science, Bronx Community College<br>Andrew Sidman, Political Science, John Jay College | N119 |

|      |                                                                                                                                                                                                                                                                                                                        |      |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 2:00 | <b>“Informal Science Learning and Science Classroom Teacher Identity”</b><br>Jennifer D. Adams, Science Education and Earth and Environmental Science<br>Brooklyn College and The Graduate Center, CUNY                                                                                                                | N119 |
| 2:15 | <b>“Oral Cancer Screening as Civic Engagement: An Interdisciplinary Approach”</b><br>Laina Karthikeyan and Gwen Cohen Brown,<br>New York City College of Technology                                                                                                                                                    | N119 |
| 2:30 | <i>Posters, Networking, Break</i>                                                                                                                                                                                                                                                                                      | N119 |
| 3:00 | <b>“Use of Computer Algebra System for Classroom Demonstration”</b><br>Tanvir Prince, Mathematics, Hostos Community College                                                                                                                                                                                            | N119 |
| 3:15 | <b>“Using Hurricane Sandy as a Unique Learning Opportunity Utilizing Academic Service Learning and Civic Engagement”</b><br>Roberta Hayes and Marilyn Dono-Koulouris. Institute for Core Studies,<br>Scientific Inquiry & Discover New York, St. John's University                                                     | N119 |
| 3:30 | <b>“Using SENCER approach in Elementary Statistics”</b><br>Mangala Kothari, Mathematics, LaGuardia Community College                                                                                                                                                                                                   | N119 |
| 3:45 | <b>“Project Based Learning in Mathematical Modeling Class”</b><br>Lia Leon Margolin, Mathematics, Marymount Manhattan College                                                                                                                                                                                          |      |
| 4:00 | <b>“Robotics and Artificial intelligence as an Interdisciplinary Theme -- First Experiences with a pilot Math course at the United States Military Academy, West Point”</b><br>Frank Wattenberg, Major Matthew Mogensen, and Cadet Hayley Steele,<br>Mathematical Sciences, United States Military Academy, West Point | N119 |
|      | Thanks and Wrap-up                                                                                                                                                                                                                                                                                                     |      |

|  |                                                                                                                                                                                                                                       |      |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|  | <i>POSTERS</i>                                                                                                                                                                                                                        |      |
|  | <b>“Using Digital Media to Develop an Understanding of the Scientific Process”</b><br>K. M. Browne, Geological, Environmental and Marine Sciences, Rider University                                                                   | N119 |
|  | <b>“Learning For and With Nature: Civic Engagement for the Sustainability of Urban Trees and Parks”</b><br>Irene J. Dabrowski, Sociology, St. John's University                                                                       | N119 |
|  | <b>“Prospect Park Biodiversity – a SENCERized Multidisciplinary Project”</b><br>Diana Samaroo, Chemistry, Liana Tsenova, Biological Sciences, Sandie Han and<br>Urmi Ghosh-Dastidar, Mathematics, New York City College of Technology | N119 |
|  | <b>“Applications of Game Theory to Terrorism and MAT1372”</b><br>Urmi Ghosh-Dastidar, Mathematics, New York City College of Technology                                                                                                | N119 |

Special Thanks to  
**Associate Provost Pamela Brown** for ongoing support for SENCER  
To the New York City College of Technology SENCER Regional Conference Organizing Committee:  
**Urmi Ghosh-Dastidar**, Mathematics  
**Sandie Han**, Mathematics  
**Laina Karthikeyan**, Biology  
**Diana Samaroo**, Chemistry  
**Liana Tsenova**, Biology