



**Honors and
Emerging
Scholars
Poster Presentation**

**Learning
Communities
Theme-Based
Poster
Presentation**

**3rd Annual
Student Research Conference**

Wednesday, May 4, 2011 / 11:00 AM - 4:00 PM

Thursday, May 5, 2011 / 10:00 AM - 3:00 PM
Awards ceremony at 12:30 PM

KLITGORD GYM

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AWARDS CEREMONY

May 5, 2011
12:30 PM
Klitgord Gym

WELCOME

Dr. Janet Liou-Mark
Director of Honors Scholars Program

GREETINGS

Dr. Russell K. Hotzler
President

Dr. Bonne August
Provost & Vice President for Academic Affairs

Dr. Pamela Brown
Dean, School of Arts and Sciences

Dr. Estela Rojas
Director of Learning Communities



Cultivating Fine Dining Etiquette Workshop,
Prof. Karen Goodlad (April 6, 2011)



Library Workshop, Prof. Maura Smale (March 17, 2011)

3RD ANNUAL CITY TECH STUDENT RESEARCH CONFERENCE

May 5, 2011
10:00 AM - 12:00 PM
Lower Atrium Lounge

10:00 AM

Welcome

Dean Pamela Brown and Prof. Hans Schoutens

10:05 - 10:15

Hotel Security: The Missing Amenity

Sharada Parks (Hospitality Management)
Prof. Patrick O'Halloran

10:20 - 10:30

Glutathione Reducing Methicillin-Resistant Staphylococcus Aureus (MRSA) Rates and Decreasing the Length of Stay in Hospitals: A Post-Operative Research Proposal

Lazar Lazarovski (Health Services Administration)
Prof. Noemi Rodriguez

10:35 - 10:45

Dental Technology of Today and Tomorrow

Jennifer Crane (Restorative Dentistry)
Prof. Renata Budny

10:50 - 11:00

Advances in Dental Laboratory Equipment

Richard Greenidge (Restorative Dentistry)
Prof. Renata Budny



Washington, DC (January 21-23, 2011)



Research Mixer (March 17, 2011)

11:05 - 11:15

Using the Mediation Methodology to Analyze the Northern Ireland Communal Conflict

Renisa Ribeiro (Social Science)
Prof. Lauren Park

11:20 - 11:30

The "Pig-Dragon" in Ancient China

Elizabeth Mills (Humanities)
Prof. Susan Beningson

11:35 - 11:45

Predicting Seemingly Esoteric Probabilistic Distributions by Simulations and Confirming Their Validity by Theoretical Methods

Thomas Cheung and Thinh Le (Mathematics)
Prof. Satyanand Singh

11:50 - 12:00

Effects of Resveratrol on Hydrogen Peroxide-Induced Oxidative Stress in Tetrahymena Thermophila

Khalid Said (Biology)
Prof. Ralph Alcendor

Organizing Committee:

Hans Schoutens (chair), Alexander Rozenblyum (MAT), Ann Delilkan (HUM), Anna Do (ENG), Annette Saddik (ENG), Delaram Kahrobaei (MAT), Eric Rodriguez (SS), Giovanni Ossola (PHY), Laina Karthikeyan (BIO), Laura Ghezzi (MAT), Liana Tsenova (BIO), Oleg Berman (PHYS), Soyeon Cho (HUS), Thomas Johnstone (MAT), Tony Nicolas (CHEM), Tshombe Walker (AFR), Victoria Gitman (MAT), Zhao Chen (MAT)

HONORS COURSES

MAT 1475H: Calculus I Honors **Prof. Satyanand Singh**

Seemingly Bizarre Functions: An examination of some of their properties

Ranjan Agarwal, Quincy Blackman, Tramaine Duncan, Faisal Hashem, Farzana Matin, Ximena Morocho, Noreen Ramdut, Stephanie Trochez, Dopdyel Tseten, Ming Wei, and Bin Xu

Abstract:

We will sketch some non standard functions with the Maple software and analyze some of their properties by considering special sequences, limits and continuity.

LAW 4704H: Legal Technology Honors **Prof. Marissa J. Moran**

Death Penalty

Susan Decker, Samantha Jeffrey, Mandy McKinnon, Paula Siclari, and Kimber Warren

Legal Technology: Trends, Issues, and Ethics

Roman Levites, Tasha Palmer, Wendyann Snagg, and Samuel Williams

CMCE1204H: Statics and Strength of Materials II Honors **Prof. Gerarda Shields**

Marcos Bueno, Jonathan Iza, Bousalah Mohamed, Vladimir Monpremier, Anthony Pozo, Jose Ramirez, and Seigfred Williams

Cable Beam Analogy

Carlos Santana

Abstract:

In analyzing beams, the conventional (and most frequent) way of analyzing it especially amongst students is to cut the beam by sections and from there find the bending moment (tendency to bend) of each section to check if the beam is stable or not. Bending Moment Diagrams are constructed after the aforementioned steps are done. One alternative to this especially when analyzing relatively simple beams is to take the load acting on the beam and treat the beam as a cable. It is beneficial to imagine the beam as a cable in this case because the cable can represent more or less the deflected shape of the beam. One scenario would be applying a point load in the middle of a telephone cord that is supported on both of its ends. The way the cord will deflect represents the shape that the Bending-Moment Diagram will have and most of all represent how a beam would look like in deflection after a concentrated load (as in the case described) is applied to it. There is a series of graphic representations that supplement the statements listed in this abstract.

Catenary and its Application on Verrazano-Narrows Bridge

Dawid Janik, Hein Htet

Abstract:

Research will be mainly focused on the topic of catenary and its applications in suspension bridges such as Verrazano-Narrows Bridge in Brooklyn, NY. Main tasks will cover mathematical and geometrical investigations of catenary as well as its importance in the structure itself. In the real life applications, topic of catenary is used by structural engineers who design suspension cables. These are the main structural components of suspension bridges, and proper analysis of these parts is crucial for its safety. That also brings the need to discuss the social role of the bridge itself, and the importance it plays in NYC's transportation.

Expansion and Renovation of the Jacob Javits Center

Siguel Brunache

Abstract:

Since its opening in 1986, the Jacob Javits Center has been the center of entertainment in Manhattan hosting thousands of different shows. It's not a surprise that it need a renovation. The Job Javits Center renovation and expansion is a \$463 million project. The expansion will include Exhibition space will be expanded to 1.1 million square feet, the largest ballroom space in New York City at 75,000 square feet with the ability to subdivide into 3 separate rooms, a new convention hotel with 1,000 rooms and 50,000 square feet at 36th Street. The renovation part includes a modernization of entire facility and infrastructure. In the plans are the replacement of the roof with green materials, replacing the thousands of curtain wall panels and skylights, upgrading building systems and rehabilitating interior infrastructure. The fixes include replacing curtain wall where leakage has corroded the mullion system and interior structural frame that supports the 15-story Crystal Palace, and reinforcing skylights for snow and wind loads. There will be also an extension of the No. 7 subway line. This project will explore the different Statics and strength of materials topics use in this expansion and renovation.

Stress and Strain of Major Members of a Specific Structure

Roberto Santos, Samden Lama

Abstract:

To determine the stress and strain of a structure defines the structures ability to provide a safe environment. After determining such calculations, a conclusion will be drawn to examine the engineering process that the structure performs every day. The purpose is to take in consideration factors such as dead weight and movable weight. The final research will provide a general description of how a building structure works in respects to its safety.

ASCE Student Steel Bridge Competition: Satisfying Design Regulations

Annette Cannizzaro

Abstract:

On April 24, 2010, students from the department of Construction Management and Civil Engineering Technology will participate in the annual Regional Steel Bridge Competition. Each team must design, fabricate and construct a bridge to enter the competition. The bridge is judged based on aesthetics, speed of construction, weight, serviceability and size limitations. These regulations and design parameters are specified by the sponsor of the competition, the American Institute of Steel Construction. The team has been preparing for this competition since the fall of last year. This poster highlights the competition regulations and how the team designed, fabricated and built the bridge to meet these requirements.



Washington, DC (January 21-23, 2011)



The Statue of Liberty and Ellis Island (April 15, 2011)

HONORS SCHOLARS PROJECTS

Edible Persuasion

Shayne Alexander
Prof. Stefanie Dash
ADV 2300: Communication Design I

Building a Digital Clock

Amirah Baksh
Prof. Syedrashid Zaidi
EMT 1250L: Digital Control Lab

Open Market Operation at the Federal Reserve System

Hend Bayoumi
Prof. Edward Kaplan
ECON 1101: Macroeconomics

Music and Spirituality

Laurie Caban
Prof. Laura Hapke
ENG 1121: English Composition II

Predicting Seemingly Esoteric Probabilistic Distributions by Simulations and Confirming Their Validity by Theoretical Methods

Thomas Cheung
Prof. Satyanand Singh
MAT 4872: Statistics III

Human Trafficking and the Safe Harbor for Exploited Children Act

Meihwa Chow
Prof. Sara Schechter
ENG 3401: Law through Literature

Celibacy and Abstinence: What It Means Today

Tiffany Clarke
Prof. Vandelette Ford
HEA 2110: Human Sexuality

CAD/CAM

Jennifer Crane
Prof. Renata Budny
RESD 1212: Fixed Prosthodontics II

Facilitating Online Feedback for Peer Writing

Tamrah Cunningham
Prof. Reneta Lansiquot
ENG 3773: Advanced Technical Writing

Sickle Cell Anemia

Neha David
Prof. Maria Ter-Mikaelian
BIO 2311: Human Anatomy and Physiology I

Warhol: Image Is Everything

Eduardo Davila
Prof. Michael McAuliffe
ARTH 1102: History of Art: Renaissance to Modern

Death Penalty

Deborah Dorcine
Prof. Marissa Moran
LAW 4704: Law and Technology

Obesity in African Americans

Marcia Edwards
 Prof. Margaret Rafferty
 NUR 4110: Comprehensive Client Care for
 Urban Health Issues

The Exciton Superfluidity in the Presence of Disorder

Michal Faryniarz
 Prof. Oleg Berman
 PHYS 2443: Modern Physics 3.3

Types of All-Ceramic Restoration

Ryo Hashimoto
 Prof. Renata Budny
 RESD 1212: Fixed Prosthodontics II

The Hidden World Behind Autism

Angela Hoyos
 Prof. Niloufar Haque
 BIO 2311: Anatomy and Physiology I

Are Human Activities Increasing the Frequency of Intense Atlantic Hurricanes?

Dawid Janik
 Prof. Gerarda Shields
 CMCE 2351: Fluid Mechanics

Designing for Disaster

Erik Jester
 Prof. Illya Azaroff
 ARCH 3611: Theoretical Design

Predicting Seemingly Esoteric Probabilistic Distributions by Simulations and Confirming Their Validity by Theoretical Methods

Thinh Le
 Prof. Satyanand Singh
 MAT 4872: Statistics III

Tea Company/Café Corporate Identity

Kah Wai Ling
 Prof. Tanya Goetz
 GRA 1111: Graphic Communications Workshop

The Linear Algebra behind Web Search Engines

Steven Lora
 Prof. Andrew Douglas
 MAT 2580: Introduction to Linear Algebra

Differential Oral Indicators for HIV; (COL) - Candidiasis, Oral Hairy Leukoplakia, Linear Gingival Erythema

Ruth Marsiliani
 Prof. Susan Nilsen-Kupsch
 DEN 1200: Principles of Dental Hygiene Care II

History of the Tangent Line Problem

Leah McClean
 Prof. William Colucci
 MAT 1475: Calculus I

Newton's Law of Gravity and Kepler Laws

Juan Mejia
 Prof. Andrea Ferrogia
 PHYS 1441: Physics 1.3

The Pig-Dragon of Ancient China

Elizabeth Mills
 Prof. Susan Beningson
 ARTH 1108: The Arts of Asia

Human Trafficking: A Global Epidemic

Lesly Miranda
 Prof. Sara Schechter
 ENG 3401: Law through Literature

Alcohol and Tobacco-Related Health Hazards on Pregnant Women and Their Fetuses

Akhmat Mukhamedzyanov
 Prof. Richard Kempter
 PSY 2300: Developmental Psychology

Designing for Disaster

Hiba Nafe
 Prof. Illya Azaroff
 ARCH 3611: Theoretical Design

Antibacterial and Antifungal Effects of the Sauce from Cassava

Karen Neroulis
 Prof. Malik Zulqarnain
 BIO 2311: Anatomy and Physiology I

Rheumatoid Arthritis: Causes, Diagnosis and Treatment

Alketa Plaku
 Prof. Selwyn Williams
 BIO 2312: Anatomy and Physiology II

Alternative Smoking Using a Hookah or Bidi Cigarette: Implications on Oral Health

Toni-Ann Restiveo
 Prof. Susan Davide
 DEN 1200: Principles of Dental Hygiene Care II

The Role of Sirtuins in Tetrahymena Thermophila Cell Survival

Khalid Said
 Prof. Ralph Alcendor
 BIO 3302: Micro Biology

Demonstrative Evidence

Estelle Sims
 Prof. Marissa Moran
 LAW 4704: Legal Technology

The Development of International Case Studies

Troy Thompson
 Prof. John Dixon
 MKT 1210: Marketing Research

EMERGING SCHOLARS

Exciton Superfluid in a Trap

Mohammed Alauddin
Prof. Oleg Berman

Origami Geometric Construction

Enmanuel Almanzar
Prof. Andrew Douglas

Brownfields in NJ: Where They Are, and How They May Harm Us

Yumina Bashir
Prof. Rachele Arrigoni-Restrepo

Open Market Operations at the Federal Reserve System

Hend Bayoumi
Prof. Edward Kaplan

Predicting Seemingly Esoteric Probabilistic Distributions by Simulations and Confirming Their Validity by Theoretical Methods

Thomas Cheung
Prof. Satyanand Singh

Neurosciences; Linking Neuromolecules to Development

Tenzing Doma
Prof. Niloufar Haque

The Exciton Superfluidity in the Presence of Disorder

Michal Faryniarz
Prof. Oleg Berman

Pupillary Response to Complex Scenes

Lisa Fong
Prof. Daniel Capruso

Photon Emission in Bhabha Scattering

Andrey Galper
Prof. Giovanni Ossola

Database Development for the Tracking of Intervention Activities of the Black Male Initiative Program

Karl Garcia
Prof. Reginald Blake
Prof. Reneta Lansiquot
Prof. Janet Liou-Mark

Weird Science: What Does It Mean to be Virtually Human?

Elaine Green
Prof. Reneta Lansiquot

Chemokines in Atherosclerosis

Erika Green
Prof. Nasreen Haque

Are Human Activities Increasing the Frequency of Intense Atlantic Hurricanes

Dawid Janik
Prof. Gerarda Shields

Talking to Groups and Rings

Joshua Jansen
Prof. Samar ElHitti

Neurosciences; Linking Neuromolecules to Development

Lynn Jean
Prof. Niloufar Haque

Designing for Disaster

Erika Jester
Prof. Illya Azaroff

Recent Progress at the LHC: The Search for the Higgs Boson

Jose Jimenez
Prof. Giovanni Ossola

Therapeutic Delivery Using Porphyrinoids

Jason Johnson
Prof. Diana Samaroo

Neurosciences; Linking Neuromolecules to Development

Emily Kheluram
Prof. Niloufar Haque

Herman Field and the “Fieldist Conspiracy” in Poland

Ewelina Kosmaczewska
Prof. Kyle Cuordileone

Predicting Seemingly Esoteric Probabilistic Distributions by Simulations and Confirming Their Validity by Theoretical Methods

Thinh Le
Prof. Satyanand Singh

The Role of Diet and Nutrition in the Etiology and Prevention of Oral Cancer

Judy Liang
Prof. Laina Karthikeyan

The Linear Algebra behind Web Search Engines

Steven Lora
Prof. Andrew Douglas

Evaluation of Medicinal Plants for in Vitro Antimicrobial Activity

Margarita Malayeva
Prof. Majeedul Chowdhury
Prof. Walied Samarrai

Theoretic Strategies for Improved Protein Structure Prediction

Sheldon Matthews
Prof. Armando Solis

The Bose-Einstein Condensation of Excitons in a Quantum Well in a Trap

Daysha McNair
Prof. Oleg Berman

Insurance Risk Projections with Monte Carlo Simulations

Shelford Mitchell
Prof. Boyan Kostadinov

Group Actions on a Soccer Ball and its Illumination of the Spectral Properties of Certain Carbon Molecules or Fullerenes

Elizabeth Mills
Prof. Satyanand Singh

Computational and Analytical Aspects of Diffusion and its Applications to Biology

Elizabeth Mills
Prof. Boyan Kostadinov

Computer Algebra Systems for Particle Physics: FORM

Vladimir Monpremier
Prof. Andrea Ferrogli

Analyzing the EPA Greenversations Blog

Ryan Moore
Prof. Justin Davis

Neurosciences; Linking Neuromolecules to Development

Ximena Morocho
Prof. Niloufar Haque

Environmental Impact of Brownfields in the NY Metro Area

Pablo Mota
Prof. Rachele Arrigoni-Restrepo

Brownfields in NJ: Where They Are, and How They May Harm Us

Aisha Nafasat
Prof. Rachele Arrigoni-Restrepo

Designing for Disaster

Hiba Nafe
Prof. Illya Azaroff

The Influence of Disorder on the Exciton Condensate

Ananthakrishnan Nair
Prof. Oleg Berman

Computer Algebra Systems for Particle Physics: FORM

Etiosa Obasuyi
Prof. Andrea Ferrogli

Pupillary Response to Complex Scenes

Shaun Palmer
Prof. Daniel Capruso

Microbial Diversity in the Gowanus Canal

Kenneth Paneto
Prof. Nasreen Haque

Bose-Einstein Condensate of Trapped Excitons at Finite Temperatures

Luis Pineda
Prof. Oleg Berman

Social Sound Production in Gerbils and its Processing in the Brain

MD Rakhibuzzaman
Prof. Maria Ter-Mikaelian

Using the USIP Mediation Process to Solve Global Conflicts

Renisa Ribeiro
Prof. Laureen Park

Designing for Disaster

Long Ruan
Prof. Illya Azaroff

Condensation of Excitons in High External Magnetic Fields

Seyedhamidreza Sadatian
Prof. Oleg Berman

Theoretic Strategies for Improved Protein Structure Prediction

Sereta Scott
Prof. Armando Solis

Environmental Impact of Brownfields in the NY Metro Area

Anna Soyfer
Prof. Rachele Arrigoni-Restrepo

Dynamics of Bose-Einstein Condensate Formation in Excitonic System

Jamal Stovall
Prof. Oleg Berman

Therapeutic Delivery Using Porphyrinoids

Christina Valore
Prof. Diana Samaroo

Herman Field and the "Fieldist Conspiracy" in Poland

Katarzyna Wojdyla
Prof. Kyle Cuordileone

Pupillary Response to Complex Scenes

Dmytro Yanush
Prof. Daniel Capruso

Group Actions on a Soccer Ball and its Illumination of the Spectral Properties of Certain Carbon Molecules or Fullerenes

Yi Ming Yu
Prof. Satyanand Singh

Theoretic Strategies for Improved Protein Structure Prediction

Tanja Zivcovic-Culjak
Prof. Armando Solis



Washington, DC (January 21-23, 2011)

LEARNING COMMUNITIES THEME-BASED PROJECTS

Becoming Life Long Learners: A Learning Community in Math and English Prof. Andrew Douglas and Ruth Garcia

Eloho Erhieyowwe, Tracy Montaz, and Chvelle Neil
Michael Larrea
Ana Puente and Mirasol Sukhu
Julia Rivera
Nora Vargas

MAT 1175: Fundamental of Mathematics
and
ENG 1101: English Composition I
Learning Community

Two Tools - One Job: Merging Computer Technology and Building Technology Prof. Paul C. King

Cynthia Alonzo, Mario Alulema, Osmany Cabrera, and
Darimar Caceres

Christian Camacho, Richard Chen, Breno Costa, and
Gareth Enahoro

Edgar Guaman, Amal Hasham, Rosanna Herrera, and
Nicholas Ingenito

Ermira Kasapi, Giancarlo Lopez, Carolina Marckwordt,
and Ivanna Marreto

Maria Minchala, Oscar Morales, Gin Pena, Brayan
Roman, and John Villafane

ARCH 1200: Architectural Drawing II
and
ARCH 1290: Architectural CAD
Learning Community

Organizing Committee:
Prof. Andrew Douglas, Ruth Garcia, and Estela Rojas



National Museum of the American Indian (March 4, 2011)

SPECIAL PROJECTS

Finding the Closest Pair of Points

Alfredo Almonte, Michal Faryniarz, and Emil Ifraimov
Prof. Sandie Han
MAT 2540: Discrete Structures and Algorithms II

Heap Sort

Jesse Li and Wesley Yu
Prof. Sandie Han
MAT 2540: Discrete Structures and Algorithms II

RSA Cryptosystem

Frank Aline, Thomas Cheung, and Kelvin Gong
Prof. Sandie Han
MAT 2540: Discrete Structures and Algorithms II

The Hashing Functions

Damon Cham, Faith Tamisi, Yiu Leung Yung
Prof. Sandie Han
MAT 2540: Discrete Structures and Algorithms II

Fast Multiplication of Matrices

Lawrence Biles, Man Cheung, Victor Rijo
Prof. Sandie Han
MAT 2540: Discrete Structures and Algorithms II

Climate Change Impacts on Water Resources

Nani Adadyayeda, Mohammed Asgar, Sarai Marte,
Leanna Moore, Arielle Moxey, Ashante Salley,
Simone Smith, Siu Him Tang, Fiona Torres,
and Frank Tse
Prof. Reginald Blake
PHYS 1112: Principles of Science II

Remote Sensing of Air Pollution

Adrian Chapel, Jamal Chapman, Brayan Feliz,
Lillian Jimenez, Nicholas Lee, Alyson Leopoldi,
Eunice Salud, Marc St-Jou, and Georgette Wright
Prof. Reginald Blake
PHYS 1112: Principles of Science II

Satellite Remote Sensing of Hurricanes

Fabian Caesar, Donovan Chin, Danny Cruz,
Arthur Dieudonne, Victor Laroche, Synthia Marcillo,
Danielle Ng, Diana Rosa, and Jessica Tacuri
Prof. Reginald Blake
PHYS 1112: Principles of Science II

Investigating the Health Pages: Facebook

Ireen Bary
Prof. Justin Davis

Improvements in Dental Technology

Richard Greenidge Jr.
Prof. Renata Budny
RESD 1212: Fixed Prosthodontics 2

Zirconium Dental Restorations Made by CAD/CAM

Karein Sylvain
Prof. Renata Budny
RESD 1212: Fixed Prosthodontics II

Management of the Classroom Computer Lab in Academic Environment

Thurman Jamison
Prof. Lyubov Viglina
CST 3507: Advanced LAN Concepts

Exploration of an Allometric Scaling Model

Elizabeth Mills
Prof. Holly Carley

Construction of MicroRNA Target Expression Vectors for Diagnosis of Specific MicroRNA Activities in Mammalian Culture

Ramnis Kaur
Prof. Shah Huq

Finding STEM in American History: Engineering Pop-ups of Our Nation's Capitol

Anna Acevedo, Eliana Alonzo, Tony Chen, Tiffany Clarke, Tenzing Doma, Lauris Guzman, Gemma Hyacinth, Chantel Joas, Susan Lema, Jian Hong Li, Abdul Mateen, Leah McClean, Makeda McClean, Champa Nath, Hui Meen Ong, Emely Perez, Ivana Pulchan, Mohammad Rahman, Mohammad Uddin, and Yi Ming Yu
Prof. Renata Budny, Prof. Reneta Lansiquot, Prof. Janet Liou-Mark, and Ms. Laura Yuen-Lau
Supported by BMI and the Honors Scholars Program

Independent Study: Peer Leader Training

The Peer Assisted Learning Project is supported by the Black Male Initiative, CUNY; Perkins VTEA; and the National Science Foundation Grant # 0622493.

How can a leader model good skills to support workshop students' learning?

Hend Bayoumi
Prof: A.E. Dreyfuss and Janet Liou-Mark

How can the Peer Leader's motivation affect students' preconceptions towards a mathematics course?

Amelise Bonhomme
Prof: A.E. Dreyfuss and Janet Liou-Mark

How can the Peer Leader support students with different prior knowledge?

Tony Chen
Prof: A.E. Dreyfuss and Janet Liou-Mark

How can knowledge of Perry's Scheme be utilized in order to improve student performance in workshops?

Renee Clarke
Prof: A.E. Dreyfuss and Janet Liou-Mark

How can a peer leader help students achieve their goals?

Tenzing Doma
Prof: A.E. Dreyfuss and Janet Liou-Mark

How can a workshop help students to think more conceptually?

Juan Mejia
Prof: A.E. Dreyfuss and Janet Liou-Mark

How does Peer-Led Team Learning help change students' assumptions about the quadratic formula?

Susan Lema
Prof: A.E. Dreyfuss and Janet Liou-Mark

How can the Peer Leader help students move from concrete representation to abstract understanding in Mathematics?

Rahman Bakare
Prof: A.E. Dreyfuss and Janet Liou-Mark

An Examination of Modules and Interactions in Embedded Workshops

Si Min Tan
Prof: A.E. Dreyfuss and Janet Liou-Mark

Collaborative High School Projects

Antibiotic Properties of Common Fruits and Vegetables

Mouramani Kaba (Science Skills HS) and Slimane Rabout (Life Academy HS)
City Tech BMI student mentor: Jurmain Wielingen
BMI Faculty Mentor: Dr. Ralph Alcendor (Biology)
Grant: BMI

Photosensitizers

Natalie Leon and Stacey Ortega (High School for Health Professions and Human Services)
City Tech BMI student mentor: Renee Clarke
BMI Faculty Mentor: Dr. Diana Samaroo (Chemistry)
Grant: BMI

Mechatronics Technology Center: Incubator for Innovative Hands-on Practical Design and Research Activities

High School Students: Fritzpatrick Roque, Carla Araile, Ali Harb, Anthony Francis, Za-y-va Lareche, and Bijan-Bayat Makhtari
High school collaborator: City Poly HS, Washington Irving HS, Francis Lewis HS, Far Rockaway HS, and Brooklyn School for Collaborative Study.
Faculty Mentors: Andy Zhang and Iem Heng
Grant: NSF ATE #1003712



The United Nations (February 18, 2011)



Grateful Acknowledgments

To all the dedicated professors for mentoring students, Dean Pamela Brown, Ms. Laura Yuen-Lau, Prof. Julia Jordan, Prof. Andrew Douglas, Prof. Hans Schoutens, Mr. George Lowe, Ms. Iva Williams, Mr. Kiros Haile, Prof. Anita Giraldo, Mr. Teddy Adolthe, and Mr. Jeff Novak a heartfelt thank you for making this event a successful one.

A special recognition to Ms. Keiko Nakayama for designing the program.