The 22nd Semi-Annual Poster Presentation

HONORS & EMERGING SCHOLARS POSTER PRESENTATION

Wednesday, May 6, 2015
11:00AM - 4:00PM
Atrium Ground & First Floors

Thursday, May 7, 2015
10:00AM - 3:00PM
Awards Ceremony at 12:30PM
Atrium Amphitheater
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Awards Ceremony

May 7, 2015
Atrium Amphitheater
12:30 PM

Greetings
Russell K. Hotzler
President
Bonne August
Provost and Vice President for Academic Affairs
Pamela Brown
Associate Provost

Honors Scholars Recognition
Janet Liou-Mark
Director of the Honors Scholars Program
Laura Yuen-Lau
Coordinator of the Honors Scholars Program

Research and Emerging Scholars Recognition
Justin Vazquez-Poritz
Director of Undergraduate Research

Best Poster Awards
Reneta D. Lansiquot
Assistant Director of the Honors Scholars Program

Ice Skating at Prospect Park
December 23, 2014
Hibba Abbas
Prof. Elizabeth Milonas
**CST 4704:** Business Intelligence, Data Warehousing & Data Mining

### Punching Shear in Flat Slabs
Amanda Abrew
Prof. Mark Hendel
**CMCE 2415:** Structural Design: Concrete

### Estimating Risk Costs in Construction
Amanda Abrew
Prof. Alex C. Ladias
**CMCE 2412:** Construction Estimating

### Studies on the Effect of OPIDN
Victor Adedara
Prof. Niloufar Haque
**BIO 1101:** Biology I

### The Relationship between Breast Augmentation and Breast Cancer: A Literature Review
Nazia Ahmad
Prof. Lillian Amann
**RAD 2426:** Imaging Modalities

### Teaching Evolution: A Students’ Perspective
Abdullah Alloa
Prof. Mercer R. Brugler
**BIO 1201:** Biology II

### CST Department Mobile Application
Md Arefin
Prof. Marcos Pinto
**CST 3519:** XML Data Representation

### Examining Attitudes towards Mathematics in Foundational Courses with Peer-Led Workshops
Amarou Bah
Prof. Janet Liou-Mark
**MEDU 2901:** Peer Leader Training in Mathematics

Aparicio Castano
Prof. Abdul M. Awal
**EET 1122:** Circuit Analysis I

### The Biodiversity of Prospect Park - Microbiology Aspects
Bryan Cespedes
Prof. Liana Tsenova
**BIO 3302:** Microbiology I

### Lost in Translation Digital Book
Dauly Cuello
Prof. Derek Stroup
**COMD 1200:** Graphic Design Principles II

### The Pollution in the Hudson River’s Waterways
Jessica Daher
Prof. Sean MacDonald
**ECON 2505:** Environmental Economics

### Exploration of Precalculus Students’ Mathematical Identity and Formative Mathematical Experiences
Saloua Daouki
Prof. Nadia Kennedy
**MEDU 3020:** Methods of Teaching Secondary School Mathematics

### A Literature Review of Case Studies in Computer Education
Richard Felix
Prof. Reneta D. Lansiquot
**ENG 1773:** Weird Science: Interpreting and Redefining Humanity
Comparative Study of Data Security Protocols for the Internet of Things
Farjana Ferdousy
Prof. Yu Wang

CET 4805: Component and Subsystem Design II

Teaching Evolution: A Students’ Perspective
Abdul Haq
Prof. Tatiana Voza

BIO 1201L: Biology II Lab

Developing WebGL Applications
Annie Henriques
Prof. Elizabeth Milonas

CST 4704: Business Intelligence, Data Warehousing & Data Mining

Teaching Evolution: A Students’ Perspective
Tyniqua Hinton
Prof. Mercer R. Brugler

BIO 1201: Biology II

Prevalence of Antibiotic Resistant to Bacteria in Food from Retail Establishments
Manuela Hoyos
Prof. Davida Smyth

BIO 3302L: Microbiology I Lab

5-Fluorouracil, Ifosfamide, and Topotecan: Three Organic Compounds Used in Cancer Treatment
Manuela Hoyos
Prof. Diana Samaroo

CHEM 2223: Organic Chemistry I

Paradigm Shifts Apropos to Voluntary Active Euthanasia
Gerard Jitechian
Prof. Nicholas Chambers

PHIL 2203: Health Care Ethics

The Future is CAD/CAM
Sydney Johnson
Prof. Renata Budny

RESD 1212: Fixed Prosthodontics II

Superfluidity on the Nanoscale
Volodymyr Komendyak
Profs. Oleg Berman and Ilya Grigorenko

PHYS 1434: General Physics II: Algebra Based

Dental Prostheses: Can It Be Avoided?
Julie Landa
Prof. Renata Budny

RESD 1212: Fixed Prosthodontics II

Zirconia Versus Lithium Disilicate
Kamylla Lopes
Prof. Renata Budny

RESD 1212: Fixed Prosthodontics II

Gender Differences in Mathematics Attitudes and Achievement in College Courses with a Peer-Led Workshop Component
Andrew Maloney
Prof. Janet Liou-Mark

MEDU 2901: Peer Leader Training in Mathematics

Electron-hole Superfluidity and Phase Transitions in Two Coaxial Nanotubes
William McGuire
Profs. Oleg Berman and Ilya Grigorenko

PHYS 1434: General Physics II: Algebra Based

Superfund Sites
Samiul Mozumder
Prof. Soydan Alihan Polat

ESCI 1110: Environmental Science I

Teaching Evolution: A Students’ Perspective
Tsabiyh Mustafa
Prof. Mercer R. Brugler

BIO 1201: Biology II

The Relationship between Breast Augmentation and Breast Cancer: A Literature Review
Taj Nahar
Prof. Lillian Amann

RAD 2426: Imaging Modalities
Radiologic Technology Students’ Perception of the Use of a Video for Demonstration of Positioning of the Shoulder
Niki Patel
Prof. Jennett M. Ingrassia
RAD 2427L: Seminar Lecture Lab

Exploration of Precalculus Students’ Beliefs about Mathematical and Attitudes towards Mathematics
Rushdha Rafeek
Prof. Nadia Kennedy
MEDU 3020: Methods of Teaching Secondary School Mathematics

A Literature Review of Case Studies in Computer Education
Mariah Rajah
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ENG 1773: Weird Science: Interpreting and Redefining Humanity

DURA Solar Decathlon 2015
Alondra Ramos
Prof. Alexander Aptekar
ARCH 4830: Construction Technologies: Special Topics

The Relationship between Breast Augmentation and Breast Cancer: A Literature Review
Mariama Sall
Prof. Lillian Amann
RAD 2426: Imaging Modalities

A Model of Gas Exchange in the Lung
Silma Samayeen
Prof. Ariane Masuda
MAT 1375: Precalculus

Gender Differences in Mathematics Attitudes and Achievement in College Courses with a Peer-Led Workshop Component
Farjana Shati
Prof. Janet Liou-Mark
MEDU 2901: Peer Leader Training in Mathematics

The Biodiversity of Prospect Park - Microbiology Aspects
Eni Sejdini
Prof. Liana Tsenova
BIO 3302: Microbiology I

Radiologic Technology Students’ Perception of the Use of a Video for Demonstration of Positioning of the Shoulder
Alicia Symister
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RAD 2427L: Seminar Lecture Lab

Immunization: A Look into Unvaccinated Children
Avion Thomas
Prof. Erin Mckinney-Prupis
HUS 4803: Resource Development in Human Services

Optimization of the Spectrum of an FM Signal
Ina Tsikhanava
Prof. Zory Marantz
TCET 2102: Analog and Digital Telephony

Comparative Study of Data Security Protocols for the Internet of Things
Eric Tung
Prof. Yu Wang
CET 4805: Component and Subsystem Design II

Sexual Harassment in the Workplace
Lillian Vazquez
Prof. Horace Hutchinson
HMG 3501: Hospitality Work Force Management in a Global Marketplace

A Model of Gas Exchange in the Lung
Ling Yang
Prof. Ariane Masuda
MAT 1375: Precalculus
Research Scholars

Design Analysis of Solid Waste Mixing in a Combustion Chamber
Christopher Amoroso
Prof. Masato R. Nakamura

Energy Use vs. Indoor Air Quality in High-Performance and Sustainable Buildings
Joseph Cotter
Prof. Lukasz Sztaberek

Interactive Mechanical Toy Crane
Hartford Hage
Profs. Angran Xiao and Andy S. Zhang

Mobile Diagnostic Expert System
Mamun Hasan
Prof. Marcos S. Pinto

Computational Design of Nano Devices for Optical and Quantum Computing
Andy J. He
Prof. German Kolmakov

Positive Reframing and Vagal Tone: A Variation on the Expressive Writing Paradigm
Keishawna Jones
Prof. Jean Hillstrom

Stochastic Simulation of a Combustion Chamber in a Waste-to-Energy (WTE) Power Plant
Ye Htet Lynn
Prof. Masato R. Nakamura

Using Infograms for Online Educational Videos
Andrew Maloney
Prof. Vasily Kolchenko

Stress Analysis for Stability of Structures Subjected to Human Loading
Rachid Moumni
Prof. Gaffar Gailani

The Role of Metal Ions in Aβ1-40 Aggregation and Reactive Oxygen Species Formation in the Course of Alzheimer's Disease
Magdalena Podgorny
Prof. Alberto Martinez

Crash-Free Spherical Aerial Vehicle
Tenzing Rabgyal
Prof. Xiaohai Li

Interactive Mechanical Toy Crane
Deborah Sitton-Garvin
Profs. Angran Xiao and Andy S. Zhang

Investigation of the Lindenmayer Systems for Internal Architecture Design of Tissue Scaffolds
Joyce Tam
Prof. Ozlem Yasar

Development of a Portable Low Cost Chemical/Dust Detection Unit
Semone Thomas
Profs. Angran Xiao and Andy S. Zhang

Heliospheric Neutral Current Sheet Sector Structure Border Crossing by the Earth and the Seismicity of the Earth
George Vanishvili
Prof. Masato R. Nakamura
Emerging Scholars

**Developing WebGL Applications**
Hibba Abbas
Prof. Marcos Pinto

**Annotating TTERM_01194830**
Sajjad Abedian
Prof. Ralph Alcendor

**Public Housing Envelope Restoration**
Amanda Hayley Abrew
Prof. Sean O’Brien

**Embedded Security in V2V & V2I Communication using WIFI and Sensors**
Muhammed Abubakar
Prof. XinZhou Wei

**Molecular Phylogeny and Biogeography of the Rattlesnakes (Crotalus and Sistrurus)**
Serifat Adebola
Prof. Christopher Blair

**Responsible Conduct of Research Training**
Prof. Janet Liou-Mark
March 5, 2015

**Advancing Library Research Techniques**
Prof. Anne Leonard
March 12, 2015

**Studies on the Effect of OPIDN**
Victor O. Adedara
Prof. Niloufar Haque

**Numerical Analysis of Waste-to-Energy Combustion Chambers**
Joshua Afrifa
Prof. Masato R. Nakamura

**D & H Canal & Wurtsboro Town Masterplan**
Tasnuva Ahmed
Prof. Paul King

**Mosquitos and Materials: Building Construction in Developing Regions**
Tasnuva Ahmed
Prof. Sanjive Vaidya
CST Department Mobile Application
Md Arefin
Prof. Marcos Pinto

XML Data Transfer in Android Application (cont.)
Khachatur Arutyunayn
Prof. Marcos Pinto

Case Studies of Site Analysis in NYC
Alyssa Ayow
Profs. Jill Bouratoglou and Lia Dikigoropoulou

Characterization of Staphylococci from Built Environment
Rimsha Azhar
Prof. Davida Smyth

Repository of Epigenomic Signatures for Autoimmune Rheumatic Diseases
Abzal Bacchus
Prof. Evgenia Giannopoulou

Cloning and Expression of Human Taste Receptors
William Bennett
Prof. Jeremy Seto

Developing Web Pages with Bootstrap
Shameem Bhuiya
Prof. Marcos Pinto

Valuation of Internet Companies
Jovany Bravo
Prof. Patrick O'Halloran

Benefits of Expressive Writing: Improvements in Vagal Tone over Time
Taylor Brown
Profs. Pa Her and Jean Hillstrom

Effect of Garlic on TTERM_01194830 and TTERM_00295170
Leslie Brown
Prof. Ralph Alcendor

Biodiversity in Prospect Park
Bryan Cespedes
Prof. Liana Tsenova

Solar Decathlon
MuJun Chen
Prof. Alexander Aptekar

Numerical Analysis of Waste-to-Energy Combustion Chambers
Tiffany Chong
Prof. Masato R. Nakamura

Can Antimicrobials Select for Resistance
George Cobos
Prof. Davida Smyth

Outsourcing of Non-Educational Services
Blanca Cortes
Prof. Patrick O'Halloran

D & H Roebling Canal
Zahava Cortez
Prof. Paul King

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Breno Bondarenko Costa
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Prof. Paul King

Developing a Protein Interaction Network from Mouse Forebrain Samples Following Infection by Toxolasma Gondii
Emmanuel Coulanges
Prof. Jeremy Seto

Chronicling the Achievements & Activities of Honors Scholars at City Tech
Zianne Cuff
Prof. Reneta D. Lansiquot

Elements and Fundamentals of Optical Fiber Communication
Eddie Dang
Prof. Lufeng Leng

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Saloua Daouki
Prof. Nadia S. Kennedy
Molecular Characterization of Deep-Sea “Anemones” from the Arctic
Craig Dawes
Prof. Mercer R. Brugler

DURA Solar Decathlon 2015
Stephen December
Prof. Alexander Aptekar

Polyethylene (glycol) Diacrylate (PEGDA) and Polydimethylsiloxane (PDMS) Characterization for Tissue Engineering Applications
Andres Delgado
Prof. Ozlem Yasar

Crash-Free Spherical Aerial Vehicle
Jean C. Delgado-Caceres
Prof. Xiaohai Li

DURA Solar Decathlon 2015
Andrade Desirée
Prof. Alexander Aptekar

Study and Analysis of Waterborne Pathogen Transmission
Thierno Diallo
Prof. Urmi Ghosh-Dastidar

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Hadiza Djibring
Prof. Alexander Aptekar

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Guershon Dorismond
Prof. Zory Marantz

Lindenmayer System-Based Design of Engineered Tissues
Kevin Duong
Prof. Ozlem Yasar

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David Encarnacion
Prof. Paul King

Data Security in Embedded Computing Devices
Johnson Esenowo
Prof. Xinzhou Wei

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Nicole Fauntleroy
Prof. Farrukh Zia

Gender Differences in Mathematics Attitudes and Achievement in College Courses with a Peer-Led Workshop Component
Marina Felamon
Profs. A.E. Dreyfuss and Janet Liou-Mark

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Farjana Ferdousy
Prof. Farrukh Zia

Using the Next Generation Sequencing Technology to Elucidate the Microorganism Diversity in Different Water Sites in Brooklyn
Fabiola Fontaine
Prof. Davida Smyth

Biodiversity in Prospect Park
Edrouine Gabriel
Prof. Diana Samaroo

Precedent Studies
Edisson Garcia
Profs. Jill Bouratoglou and Lia Dikigoropoulou

iPractice Challenge: A Mobile App for Practicing Computer Programming
Adrian Garcia-Guzman
Prof. Benito Mendoza

DURA Solar Decathlon 2015
Dominique Graci
Prof. Alexander Aptekar

Diet with Higher Fat Calories and its Effect on Male and Female Mice
Devya Gurung
Prof. Sanjoy Chakraborty
Cloud Security Analysis
Preeti Gurung
Prof. Xiangdong Li

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Kemoy Henry
Prof. Alexander Aptekar

Implementation of a Prototype Environmental Sensor Network
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Prof. Farrukh Zia

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Jonathan Hernandez
Prof. Paul King

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Aaron Hollander
Prof. Joseph Humann

Characterization of Staphylococci from Built Environment
Manuela Hoyos
Prof. Davida Smyth

Effect of Sequence Change in the Structure of Lignin
Veronica Elizabeth Hurtado
Prof. Mai Zahran

Study and Analysis of Waterborne Pathogen Transmission
Olivia Hylton
Prof. Urmia Ghosh-Dastidar

Engaging Autism Spectrum Disorders (ASD) Students in Engineering
Areeba Iqbal
Prof. Melanie Villatoro

Annotating TTHERM_00295170
Samuel Isaac
Prof. Ralph Alcendor

Examining Attitudes towards Mathematics in Foundational Courses with Peer-Led Workshops
Rezwon Islam
Profs. A.E. Dreyfuss and Janet Liou-Mark

Fourier's Gift
Rezwon Islam
Prof. Satyanand Singh

DURA Solar Decathlon 2015
Jennifer Jimenez
Prof. Alexander Aptekar

Quantitative PCR Analysis of Expression Changes in Differentiating PC12 Cells
Daenna Joseph
Prof. Jeremy Seto

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Farhin Kapadia
Prof. Farrukh Zia

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Baljinder Kaur
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Elizabeth Kolmus
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Volodymyr Komendyak
Profs. Oleg Berman and Ilya Grigorenko

Channel Characterization of PEGDA Based Engineered Tissue Scaffolds
Dmitry Koval
Prof. Ozlem Yasar

Improving Java Virtual Machine Memory Utilization
Egor Kozitski
Prof. Raffi Khatchadourian

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Manhin Lam
Prof. Davida Smyth

Modular Quadrocopter for Distributed Coordination
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Prof. Xiaohai Li
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Prof. Sanjoy Chakraborty

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Prof. Davida Smyth

Gender Differences in Mathematics Attitudes and Achievement in College Courses with a Peer-Led Workshop Component
Andrew Maloney
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Chantal Manning
Prof. Alexander Aptekar

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Prof. Mai Zahran

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Roger Brian Mason
Prof. Melanie Villatoro

A Bootstrap-Based Repository for Epigenetic Signature of Autoimmune Diseases
Janatul Mawa
Prof. Evgenia Giannopoulou

Difficult Vocabulary and Peer Led Team Learning Workshops
Janatul Mawa
Prof. Davida Smyth

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Mandy Mei
Prof. Reneta D. Lansiquot

Justice in Medical Ethics and Philosophy
Rose Vasthy Michel
Prof. D. Robert MacDougall

iPractice Challenge: A Mobile App for Practicing Computer Programming
Viralkumar Mistry
Prof. Benito Mendoza

Case Studies in Site Analysis NYC
Francisco Morales-Villa
Profs. Jill Bouratoglou and Lia Dikigoropoulou

Themes in Emerging Literature
Samiul H. Mozumder
Prof. Katie Albany

Creating a Persistent Storage in Mobile Devices
Khadijah Okoh
Prof. Marcos Pinto

In Search of the Ultimate Building Blocks
Adam Ounis
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Radiologic Technology Students’ Perception of the Use of a Video for Demonstration of Positioning of the Shoulder
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Yen Pham
Prof. Satyanand Singh

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Rushdha Rafeek
Prof. Nadia S. Kennedy

DURA Solar Decathlon 2015
Farhana Rahman
Prof. Alexander Aptekar

Nonequilibrium Bose Condensation of Dipolaritons
Hasanuzzaman Rahman
Prof. German Kolmakov

Chronicling the Achievements & Activities of Honors Scholars at City Tech
Mariah Rajah
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Alondra Ramos
Prof. Alexander Aptekar

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Redon Rexha
Prof. Alexander Aptekar

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Margarita Salas
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A Model of Gas Exchange in the Lung
Silma Samayeen
Prof. Ariane Masuda

Developing Mobile Web Applications
Elvis Rafael Sanchez JR
Prof. Marcos Pinto

Fruit Juices as Anti-Microbials
Fauziya Sani
Prof. Laina Karthikeyan

Getting to Grips with LaTex
Ricky Santana
Prof. Samar ElHitti

Numerical Analysis of Waste-to-Energy Combustion Chambers
Luca Scarano
Prof. Masato R. Nakamura

Biodiversity in Prospect Park
Eni Sejdini
Prof. Liana Tsenova

Bose-Einstein Condensation of Microcavity Polaritons in the Trap
Sulav Sharma
Prof. Oleg Berman

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Fatima Shatku
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DNA Methylation on Patients with Lupus
Dhavin Singh
Prof. Evgenia Giannopoulou

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Prof. Reneta D. Lansiquot

Defining the Diameter of Micropiles to Increase Structural Capacity
Sharmin Sultana
Prof. Melanie Villatoro

Radiologic Technology Students’ Perception of the Use of a Video for Demonstration of Positioning of the Shoulder
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Investigation of Scaffold Fabrication Techniques: Tissue Engineering for Reducing Medical Waste and the Environmental Impacts
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Gender Differences in Mathematics Attitudes and Achievement in College Courses with a Peer-Led Workshop Component
Feifei Ye
Profs. A.E. Dreyfuss and Janet Liou-Mark

Prospect Park Biodiversity Project
Erica Yeboah
Profs. Urmi Ghosh-Dastidar, Sandie Han, Diana Samaroo and Liana Tsenova

Prospect Park Biodiversity Project
Mallessa Yeboah
Profs. Urmi Ghosh-Dastidar, Sandie Han, Diana Samaroo and Liana Tsenova

The Benefits of Organic Foods versus GMO Foods
Sidra Zafar
Prof. Sean MacDonald
Emerging Scholars
Supported by the Black Male Initiative Program

Getting to Grips with LaTeX
Joe Nathan Abellard
Prof. Samar El-Hitti

Effect of Garlic on T THERM_01194830 and T THERM_00295170
Oluwatobi Ajayi
Prof. Ralph Alcendor

Examining Attitudes towards Mathematics in Foundational Courses with Peer-Led Workshops
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Effect of Sequence Change in the Structure of Lignin
Brittiny Dhital
Prof. Mai Zahran

Multiple Polylogarithms at Weight 4
Shannon Evans
Prof. Andrea Ferroglia

Chronicling the Achievements & Activities of Honors Scholars at City Tech
Florence E. Garcia
Prof. Reneta D. Lansiquot

Copper Binding Properties of Chelating Polyphenols
Rebecca McCurdy
Prof. Alberto Martinez

OP Induced Neurotoxicity
David Owoeye
Prof. Niloufar Haque

Chronicling the Achievements & Activities of Honors Scholars at City Tech
Walter Rada
Prof. Reneta D. Lansiquot

Gender Differences in Mathematics Attitudes and Achievement in College Courses with a Peer-Led Workshop Component
Jeremy Sanchez
Profs. A.E. Dreyfuss and Janet Liou-Mark

Gender Differences in Mathematics Attitudes and Achievement in College Courses with a Peer-Led Workshop Component
Ricky Santana
Profs. A.E. Dreyfuss and Janet Liou-Mark

Examining Attitudes towards Mathematics in Foundational Courses with Peer-Led Workshops
Marieme Toure
Profs. A.E. Dreyfuss and Janet Liou-Mark
**A Graph Theoretic Approach to Puzzle Solving**

**Abstract:** In this study, we examine the puzzle “Instant Insanity” which consists of four cubes with each of their six faces colored red, blue, green, and yellow. The aim of the puzzle is to stack these cubes in a column so that each side (front, back, left, and right) of the stack shows each of the four colors. We will illustrate how to figure out a possible solution by graph theoretic means. We will also show by coding in Maple, Java script and Visual basic how to solve this three dimensional puzzle.


Prof. Satyanand Singh

**MAT 2540:** Discrete Mathematics II

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**Special Projects**

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**CMCE 4422:** Introduction to Geographic Information Systems (GIS)

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**NEST Noyce Explorers, Scholars, Teachers**

Fostering the Creation of Exceptional Mathematics and Technology Teachers in New York City

Grant #1340007

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**Best Places to Live in NYC! - A Method Using GIS**

Elizabeth Brown, Salvatore DeCarlo, and Alicia Elia-Lewis

Prof. Hamidreza Norouzi

Lab Assistant: Andrea Garrido

**CMCE 4422:** Introduction to Geographic Information Systems (GIS)

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**Prediction of Avalanche Extent in Himalaya Mountains Using GIS**

MD Abir, Marvin Garcia, Jeffrey Gomez, and Phong Tran

Prof. Hamidreza Norouzi

Lab Assistant: Andrea Garrido

**CMCE 4422:** Introduction to Geographic Information Systems (GIS)

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**Green Vs. Non-green Buildings, How do they make difference?**

Lateef Belfor, Taminder Singh, and Waqar Tahir

Prof. Hamidreza Norouzi

Lab Assistant: Andrea Garrido

**CMCE 4422:** Introduction to Geographic Information Systems (GIS)

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**A Living Laboratory: Revitalizing General Education for a 21st-Century College of Technology**

Grant # P031S100159

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**Student Community Team: Blogging on the OpenLab**

Jeanluc Antoine, Amoni Brown, Shawn Brumell, Jessica Deng, Konyca Francis, Amanda Marmol, Mandy Mei, and Brianna Vasquez

**Mentors:** Scott Henkle, Jill Belli, and Jody R. Rosen

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**Honors Scholars Program Orientation**

February 5, 2015
LaTeX, A Document Preparation System
Joe Nathan Abellard
Prof. Samar El-Hitii

Detection of Terahertz Signals using Fiber Based Multiple Sagnac Interferometers Coupled with a Variable Stress Dependent Polarizing Material
Muhammed Abubakar
Prof. Xin-Zhou Wei

Radios or Sensors – Which is the Best for Semi/Non-Autonomous Traffic?
Amadou Bah
Prof. Zory Marantz

Enterprise Web Application on Amazon Web Services
Ibrahima Barry
Prof. Ossama Elhadary

Tumor-Stromal Cross Talk in Breast Cancer
Jean Delgado-Caceres
Prof. Xiaohai Li

Graph Theory and Brain Connectivity
Thierno Diallo
Prof. Urmi Ghosh-Dastidar

AirCasting/Air Monitor Device
Fatime Elfatimi
Prof. Andy Zhang

Aerosol-Cloud Interaction Using Ground Based Optical Remote Sensing Instruments
Rudy Escobar
Prof. Viviana Vladutescu

Data Security in Embedded Computing Devices and RFID
Johnson Esenewo
Prof. Xinzhou Wei

Using Next Generation Sequencing Technology to Elucidate the Microorganism Diversity in Water Sites in Brooklyn
Fabiola Fontaine
Prof. Davida Smyth

DURA Decathlon
Roger Mason
Prof. Aptekar Alexander

Using CAD in Custom Design Medical Devices
Rachid Moumni
Prof. Gaffar Gailani

Lysna Paul
Prof. Mercer Brugler

The Star Chromatic Index of Complete Graphs
Marieme Toure
Prof. Simon Smith

Studying the Interaction between Chlorins in the Presence of BSA and HAS in Solution
Andrew Wills
Prof. Diana Samaroo

The Statue of Liberty and Ellis Island
April 3, 2015
Detection of Land Cover Change and Drought Trend Using Brightness Temperature and Microwave Emission
Yanna Chen

Spatial Variability of Ambient Ozone Concentrations during Three Heat Waves in the Northeast Mega Region of the United States
Brittiny Dhital

Flood Prediction Based on Multidimensional Analysis of Precipitation and Inundation in the Mekong River Delta
Andrew Fitzgerald

Evaluate the Performance of Different Water Classification Algorithms to Determine Clear Sky Water Pixels in VIIRS Satellite Images
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Holistic Investigation of Water Pollution in the Harlem River
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Seasonal Impact on Boundary Layer Heights in a Heterogeneous Landscape
Md Arefin

Identification of Phreatophytic Ecosystems Depending on Groundwater in Texas Based on NVDI Data
Keisha Baxter

Multi Instrument Classification of Atmospheric Boundary Layer Stability
Raymond Bishir

Research Experiences for Undergraduates in Satellite and Ground-based Remote Sensing at NOAA-CREST 2
NSF REU Grant # AGS-1062934
Profs. Reginald Blake, Janet Liou-Mark and Ms. Laura Yuen-Lau

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New York Transit Museum
February 17, 2015

National Museum of the American Indian
March 13, 2015
Comparison of Two Different Types of Ceilometers
Francois Mertil

Comparison of Ground-based Soil Moisture Measurements with Satellite Data
Nyan Oo

Characterizing Arctic Land Surfaces Using a Forward Looking Infrared (FLIR) Camera
Berence Oseguera

Creating Water Body Maps for the Pacaya Samiria, the Everglades, and the US Gulf Coast using NASA UAVSAR Imaging Radar Data
Stivaly Paulino

Summertime Wind Speed Trends in Southern California
Esha Rahman

Geospatial Modelling of the Harlem River Pollution
Modou Sene

A Seasonal Investigation of Heat Fluxes in the New York City Region
Selma Skoko

Landsat Retrieved Surface Properties Effects on the Day Time Temperature Pattern in New York City
Awolou Sossa

Fusing Spatial Kriging with Satellite Estimates to Obtain a Regional Estimation of PM2.5
Daniel Vidal

The Black Male Initiative, Perkins VTEA, and CUE Funding
Profs. AE Dreyfuss, Janet Liou-Mark, Diana Samaroo and Davida Smyth
MEDU 2901: Peer Leader Training in Mathematics
IS 901: Independent Study

The Effects of Self-Efficacy in Mathematics Courses with Peer-Led Workshops
Amarou Bah, Rezwon Islam, and Marieme Toure

Gender Differences in Attitudes and Achievement in Intermediate Algebra, Geometry, and Trigonometry with a Peer-Led Workshop Component
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Motivation in Microbiology: How can Peer Led Team Learning Help with Student Motivation
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Developing and Delivering Effective Research Poster Presentations
Prof. Jody Rosen
March 26, 2015

NYC Fire Department C-14 Certificate of Fitness
Associate Provost Pamela Brown
March 26, 2015
Gender Differences in Attitudes and Achievement in Calculus I with a Peer-Led Workshop Component
Andrew Maloney and Irania Vazquez

Difficult Vocabulary and Peer Led Team Learning Workshops
Janatul Mawa

Gender Differences in Attitudes and Achievement in Precalculus with a Peer-Led Workshop Component
Rushda Rafeek, Ricky Santana, and Farjana Shati

What hints help motivate students in College Algebra and Geometry (MAT 1175)?
Noura Yasin

Cultivating Fine Dining Etiquette
Prof. Karen Goodlad
March 3, 2015

The Statue of Liberty and Ellis Island
April 3, 2015
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