HONORS AND EMERGING SCHOLARS POSTER PRESENTATION THEME-BASED POSTER PRESENTATION LEARNING COMMUNITIES Wednesday, May 9, 2012 • 11:00 AM - 4:00 PM

Thursday, May 10, 2012 • 10:00 AM - 3:00 PM 12:30 PM

STUDENT RESEARCH CONFERENCE Thursday, May 10, 2012 • 9:30 AM 12:00 PM Atrium Amphitheater CONTENTS AWARDS CEREMONY

May 10, 2012 • 12:30 PM • Klitgord Gym

4th Annual City Tech Student Research Conference	3	
Honors Courses	5	Greetings
Honors Scholars Projects	6	Dr. Russell K. Hotzler President
Emerging Scholars	10	Dr. Bonne August Provost & Vice President
Learning Communities Theme-Based Projects	17	for Academic Affairs Dr. Estela Rojas Director of Learning Communities
Special Projects	18	Director of Eddining Communities

Presentation of Student Awards

Dr. Janet Liou-Mark

Director of the Honors Scholars Program

Ms. Laura Yuen-Lau Coordinator of the Honors Scholars Program

Best Poster Awards

Dr. Reneta Lansiquot Assistant Director of the Honors Scholars Program



Bodies: The Exhibition - March 9, 2012

4TH ANNUAL CITY TECH STUDENT RESEARCH CONFERENCE

May 10, 2012 • 9:30 AM – 12:00 PM Atrium Amphitheater



Spring 2012 Peer Leaders

9:30 AM

Welcome

10:15 AM

Implant Stabilized Dentures

Jennifer Crane (Restorative Dentistry)
Prof. Daniel Alter

10:25 AM

Cement vs. Bonding

Amanda Yeung (Restorative Dentistry) Prof. Daniel Alter

10:35 AM

Macroscopic Quantum Effects in the System of Trapped Dipolar Excitons in Semiconductor Coupled Quantum Wells

Victor He (Physics)
Profs. Oleg Berman & German Kolmakov

10:50 AM

Bhabha Scattering, Aluminosity Candle at Electron-Positron Colliders

Andrey Galper (Physics) Prof. Giovanni Ossola

11:00 AM

Infinite Real Estate?

Yi Ming (Mathematics) Prof. Satyanand Singh

11:20 AM

Keep it Updated: Basic Steps for Including RSS in Web Sites

Donald Cherestal (Computer Systems)
Prof. Marcos Pinto

11:35 AM

Creating Apps for Mobile Devices

Blavik Shah (Computer Systems)
Prof. Marcos Pinto

11:45 AM

Factors Affecting the PEM Fuel Cell Characteristic Curve

Yapah Berry, Olivia Reed, Sean Pratt (Mechanical Engineering) Prof. Malek Brahimi

11:55 AM

The Epidemiologic Picture of Tuberculosis in Brooklyn

Alketa Plaku (Biology) Prof. Liana Tsenova



Advancing Library Research Techniques, Prof. Maura Smale March 15, 2012

The School of Arts and Sciences Research and Grants Committee:

Delaram Kahrobaei (Chair), Oleg Berman, Zhao Chen, Kyle Cuordileone, Ann Delilkan, Anna Do, Andrew Douglas, Andrea Ferroglia, Laura Ghezzi, Laina Karthikeyan, Tony Nicolas, Giovanni Ossola, Eric Rodriguez, Alex Rozenblyum, Annette Saddik, Hans Schoutens, Thomas Tradler, Tshombe Walker

HONORS COURSES

HONORS SCHOLARS PROJECTS

MAT 1475H: Calculus I Honors Prof. Satyanand Singh

An Industrious Bug Confined to a Mound

Theresa Adams, Farisa Ahmed, Reginald Climes, Roberto Coyotl, Felix Delacruz, Fabrice Douillard, Lane Facey, Brayan Feliz, Anna Harutyunyan, Syed Hussain, Connie Look, Dany Louis, Luka Machavariani, Nicole Montenegro, Jason Ng, Armando Perez, Arthur Plourde, Sadi Raihan, Muntasir Rana, Trung Tran, Anwar Uddin, Rita Uzamere and Chhoti Sherpa

Abstract:

We will illustrate using techniques from calculus how a bug travels along a certain path. We will also consider what occurs with certain obstacles and animate the movement using the Maple Software.

LAW 4900H: Senior Legal Seminar Honors Prof. Mary Sue Donsky

Cherise Ahay - The "Carthage"

(Joseph Smith Murder) Trial

Michael Alicea – The John Brown Trial
Thania Barbecho – The Dakota Conflict Trials
Anson Carter – The Wyatt Earp (OK Corral) Trial
Yewande Decker – The Thaw (White Murder) Trials

Verhay Gill-Lewis
Samantha Jeffrey
Belinda Lovelace
Sasha Mcduffie
Keran Perers

The Leo Frank Trial

The Al Capone Trial

The Massie Trials

The Alger Hiss Trials

The Alger Hiss Trials

Albana Taragjini – The Emmett Till Murder Trial
Terel Watson – The Patty Hearst Trial
Georgette Wright – The Dan White Trial
Danbi Yan – The Falwell v. Flynt Trial

Abstract:

Each student researched one of the most famous trials in American history. They were required to use primary and secondary authority to prepare papers, oral presentations and posters about their trial.



Fire Department of NY Fire Zone - February 24, 2012

Small Business Network Model

Shamsan Ahmed Prof. Tim Assam and Prof. Ossama Elhadary CST 1100: Introduction to Computer Systems

Using SDLC to Ensure a Well Constructed Website

Mohamed Ali Prof. Marcos Pinto CST 3519: XML Document Representation

The Printing Press and the Rise of a Literate Generation

Elaina Amesquita Prof. Geoff Zylstra HIS 3209: History of Technology

Why the Language Arabic for the Quran?

Mohammed Amin Prof. Abdessadek Boumahchad ARB 1101: Elementary Arabic I

Designing for Disaster: Shelter Evolution

Linda Bardhi Prof. Illya Azaroff ARCH 3611: Theoretical Design

Camelback Truss Bridge

Avhigit Bose Prof. Anthony Cioffi CMCE 1204: Statistics and Strength of Materials II

Lifestyle Factors, Nutrition and Oral Cancer

Louise Brown
Prof. Gwen Cohen-Brown and Prof. Laina Karthikeyan
BIO 3524: Nutrition

Estoppel in a DNA World

Danny Cabrera Prof. Sara Schechter LAW 2303: Family Law

Study of Hudson River Competition Using Cluster Analysis

Sultan Chowdhury Prof. Urmi Ghosh-Dastidar MAT 2580: Introduction to Linear Algebra

Study of Hudson River Competition Using Cluster Analysis

Edward Chung Prof. Urmi Ghosh-Dastidar MAT 2580: Introduction to Linear Algebra

Camelback Truss Bridge

Tiago Destefani Prof. Anthony Cioffi CMCE 1204: Statistics and Strength of Materials II

Volumes of Revolution by Way of Maple

Juliet Dramadri Prof. Satyanand Singh MAT 1575: Calculus II

Secure Distributed Data Storage and Retrieval

Netanel Halili Prof. Eric Sabbah CST 3613: Advanced Object Oriented Programming in JAVA

Scrabble with Artificial Intelligence

Netanel Halili Prof. Douglas Moody CST 3508: Design of Graphic User Interfaces

Study of Hudson River Competition Using Cluster Analysis

Adam Humm Prof. Urmi Ghosh-Dastidar MAT 2580: Introduction to Linear Algebra

The Effect of Tea on the Oral Cavity

Mariya Kostova Prof. Maria-Elena Bilello DEN 1200: Principles of Dental Hygiene Care II

Ways to Improve Profit and Profitability for the Dental Lab Owner

Avindra Lal Maharaj Prof. Renata Budny RESD 1212: Fixed Prosthodontics II

The Impact of Technology on NYC Education System

Brittany Lallkissoon Prof. Barbara Kitai ENG 1121: English Composition II

Critically Analyzing the Significance of "Patient Zero" to the Early Spread of HIV/AIDS

Rebecca Langer Prof. Eric M. Rodriguez PSY 3405: Health Psychology

Nobel BioCare CAD/CAM System

Lawrence Lee Prof. Renata Budny RESD 1212: Fixed Prosthodontics II

Evaluating Weird Science Case Studies

Liza Lei Luboa Prof. Reneta D. Lansiquot ENG 1773: Weird Science: Interpreting and Redefining Humanity

Electronic Discovery

DialloRafik Madison Prof. Lise Hunter LAW 4701: Law Office Management

Estoppel Challenges in a DNA World

DialloRafik Madison Prof. Sara Schechter LAW 2303: Family Law

Lifestyle Factors, Nutrition and Oral Cancer

Lisa Mathurin Prof. Gwen Cohen-Brown and Prof. Laina Karthikeyan BIO 3524: Nutrition

Veneers: An Option for Cosmetic Restorations

Gale Matthews Prof. Renata Budny RESD 1212: Fixed Prosthodontics II

Understanding Alzheimer's Disease: Dominantly Inherited Alzheimer's Disease Network (DIAN)

Danique McFarlane Prof. Niloufar Haque BIO 2311L: Human Anatomy and Physiology I Lab

Camelback Truss Bridge

Marcelo Moreira
Prof. Anthony Cioffi
CMCE 1204: Statistics and Strength of Materials II

The Advent of Gay Marriage and Evolution of Paternal Estoppel in New York

Avinash Nandlal Prof. Sara Schechter LAW 2303: Family Law

Reflections on Self Motivation and Success!

Giovanny Ramirez Prof. Niloufar Haque BIO 2311: Human Anatomy and Physiology I

Artificial Sweeteners: The Sour Reality Behind Sweets

Melissa Rodriguez Prof. Cinda P. Scott BIO 1101: Biology I

Career and Technology Teacher Education Promotional Video

Genny Sanchez Prof. William E. Roberts EDU 2460: Communications Systems

Fluent Modeling of Tsunami Impact on Bridges

Carlos Santana Prof. Gerarda M. Shields CMCE 2351: Fluid Mechanics

Dynamics of Dipole Excitons in Coupled Ouantum Wells

Zeeshan Saroya Prof. Oleg Berman PHYS 1442: Physics 2.3

Volumes of Revolution by Way of Maple

Jon Singer Prof. Satyanand Singh MAT 1575: Calculus II

Lifestyle Factors, Nutrition and Oral Cancer

Tracey Smith
Prof. Gwen Cohen-Brown and Prof. Laina Karthikeyan
BIO 3524: Nutrition

Emerging Infectious Diseases: Avian Influenza

Darice Solis Prof. William Chan BIO 3302: Microbiology

Optimization of Solvent and Dispersant Systems for Formulation of NiO Inks for Solid Oxide Fuel Cell Fabrication

Jay Sooknanan Prof. Lazarus Jay Deiner CHEM 3412: Instrumental Analysis

Architectural Portfolio

Annette Sheila Veliz Prof. William Valdez ARCH 1291: Visual Studies II

Huntington's Disease - Huntington Chorea

Natalia Vergara Prof. Niloufar Haque BIO 2311L: Human Anatomy and Physiology I Lab

Designing for Disaster: Shelter Evolution

Dunda Vladyslav Prof. Illya Azaroff ARCH 3611: Theoretical Design

Designing for Disaster: Shelter Evolution

Takao Watanabe Prof. Illya Azaroff ARCH 3611: Theoretical Design

The Effectiveness of Physical Therapy on Patients with Osteoarthritis

Aruna Woods Prof. Niloufar Haque BIO 2312: Human Anatomy and Physiology II

The Representation of Native Americans in the Words of Sherman Alexie

Tomer Yakov Prof. Thomas Wilk ENG 2000: Perspectives in Literature

The Truth About the "Dark Lady" in Sonnet #127

Tomer Yakov Prof. Frank Dezego SPE 1340: Oral Interpretation of Literature

Sleep and the Unconscious Mind

Shadiah Zanta Prof. Niloufar Haque BIO 2311: Human Anatomy and Physiology I



Ice Skating - December 27, 2011

Eye Tracking of Social Desirable Responding on Personality Inventories under Different Instructional Sets

Rehmaan Abdul Prof. Howard Sisco

Mean Field Approaches for Bose-Einstein Condensation and Super-Fluids

Ishtahad Ahmed Prof. Oleg Berman

The Effects of Peer-Led Team Learning Workshops on Undergraduates Enrolled in a College Algebra and Trigonometry Course

Mursheda Ahmed Prof. Janet Liou-Mark

An Independent Research Project about the Number 0

Musaib Ahmed Prof. Jonas Reitz

Where is My Moon?

Frank Aline Prof. Delaram Kahrobaei

Emotional Stress, Meaning-Making and Well-Being

Pascal Babmatee Prof. Jean Kubeck Prof. Pa Her

Designing for Disaster: Shelter Evolution

Linda Bardhi Prof. Illya Azaroff

Creation of a Sun Power Device

Dimitri Bazin Prof. Andy Zhang

Local versus General Anesthesia in Surgery: Relative Effectiveness, Drugs Used in Intra-Operative and Post Operative Effects

Rashauna Blake Prof. Olufemi Sodeinde

Where is My Moon?

Amelise Bonhomme Prof. Delaram Kahrobaei



Cultivating Fine Dining Etiquette, Prof. Karen Goodlad March 13, 2012

Eye Tracking of Social Desirable Responding on Personality Inventories under Different Instructional Sets

Rashaan Bowrey Prof. Howard Sisco

Lifestyle Factors, Nutrition and Oral Cancer

Louise Brown Prof. Laina Karthikeyan Prof. Gwen Cohen-Brown

A Simulation Model for the Spread of Swine Flu Pandemic

Alma Cabral-Reynoso Prof. Boyan Kostadinov Prof. Liana Tsenova

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Marsha- Ann Cadougan Prof. Illya Azaroff

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Study of Hudson River Competition Using Cluster Analysis

Patrick Chen Prof. Urmi Ghosh-Dastidar

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Edward Chung Prof. Urmi Ghosh-Dastidar

Super-Fluidity of Dipole Excitons in the Presence of Band Gaps in Two-Layer Grapheme

Garret Cortese Prof. Oleg Berman

Chronicling the Achievements and Activities of Honors Scholars at City Tech

Tamrah Cunningham Prof. Reneta D. Lansiquot Prof. Janet Liou-Mark

Computer Algebra Systems for Particle Physics: SAGE

Samuel Delegado Prof. Andrea Ferroglia

Designing for Disaster: Shelter Evolution

Vladyslav Dunda Prof. Illya Azaroff

How Nervous System Functioning is Altered by the Immune System in Autoimmune Diseases?

Elizabeth Espinoza Prof. Andleeb Zameer

Propagation of Long-Lifetime Polaritons under the Action of an External Constant Force

Ricardo Ferro Prof. Oleg Berman Prof. German Kolmakov

OSHA Standards for Safety and Computing

Daniel Frederick
Prof. Robert Leston

Redefining Humanity in a Virtual World

Elaine Green

Prof. Reneta Lansiquot

A Comprehensive Overview of Parkinson's Disease: Pathogenesis, Current Treatments and Cure

Victor He

Prof. Laina Karthikeyan

Turbulence in Bose-Einstein Condensates of Dipolar Excitons in Coupled Quantum Wells

Victor He Prof. Oleg Berman Prof. German Kolmakov

Numerical Study of the Dynamics of Compliant Microcapsule on an Adhesive Substrate

Fernando Hernandez Prof. German Kolmakov

Disrupting Chemicals in the Environment and Its Effect on Human Reproductive Axis

Yashira Henriquez Prof. Sanjoy Chakraborty

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Bryan Hou Prof. Illya Azaroff

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Propagation of Long-Lifetime Polaritons under the Action of an External Constant Force

Ervin Ibragimov Prof. Oleg Berman Prof. German Kolmakov

The Social Effects of IMF Programs: Jamaica in the Late 1970's and Greece in the 2010's

Natalie Jones Prof. Costas Panaytakis

Where is My Moon?

Travion Joseph Prof. Delaram Kahrobaei

Combating Bullying in Nursing

Ruchoma Kaganoff Prof. Elaine Leinung Prof. Aida Egues

Study of Hudson River Competition Using Cluster Analysis

Samuel Karasik Prof. Urmi Ghosh-Dastidar

Noel Field, the Cold War and Mythical Field Family Conspiracy

George Kobakhidze Prof. Kyle Cuordileone

Environmental Sound Level Measurements and Hearing Loss

Rebecca Kogan Prof. Vasily Kolchenko Prof. Lisette Stern

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Critically Analyzing the Significance of "Patient Zero" to the Early Spread of HIV/AIDS

Rebecca Langer Prof. Eric Rodriguez

Formation of Water Nano-Clusters in Helium Atmosphere at Low Temperatures

Marcus Lolo Prof. German Kolmakov

A Simulation Model for the Spread of Swine Flu Pandemic

Steven Lora Prof. Boyan Kostadinov Prof. Liana Tsenova

A Study on the Effects of Undergraduates Who Facilitate Peer Assisted Learning Workshops in Mathematics

Connie Lu Prof. Janet Liou-Mark

Computer Algebra Systems for Particle Physics: SAGE

John Martinez Prof. Andrea Ferroglia

Lifestyle Factors, Nutrition and Oral Cancer

Lisa Mathurin Prof. Laina Karthikeyan Prof. Gwen Cohen-Brown



Dia: Beacon - March 21, 2012

Super Fluidity of Polaritons Formed by Excitons in Gapped Grapheme

Lenin Mendez Prof. Oleg Berman

Designing for Disaster: Shelter Evolution

Lizeth Molina Prof. Illya Azaroff

Is Tolerance for Anesthesia a Function of Age, Body Type and Gender?

Jeffrey Mongal Prof. Olufemi Sodeinde

Chronicling the Achievements and Activities of Honors Scholars at City Tech

Venezia Moorer Prof. Reneta D. Lansiquot Prof. Janet Liou-Mark

Inter-Particle Interactions in Exciton Condensates vs. Atomic Condensates

Pablo Mota Prof. Oleg Berman

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Hiba Nafe Prof. Reneta D. Lansiquot Prof. Janet Liou-Mark

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Hibe Nafe Prof. Illya Azaroff

Emotional Stress, Meaning-Making and Well-Being

Karen Neroulias Prof. Jean Kubeck Prof. Pa Her

Environmental Sound Level Measurements and Hearing Loss

Tenzin Palma Prof. Vasily Kolchenko Prof. Lisette Stern

Microbial Diversity in the Gowanus Canal

Kenneth Paneto Prof. Nasreen Haque



Brooklyn Historical Society - April 23, 2012

Chemokines in Cancer

Brittiny Paquette Prof. Nasreen Haque

Designing and Programming Three-Dimensional Geosciences Virtual Modules

Brian Persaud Prof. Reneta D. Lansiquot

Elementary Particles at the Large Hadron Collider

Alma Plaku

Prof. Giovanni Ossola

Neurological Diseases and Related Disorders

Addler Pluvoise Prof. Niloufar Haque

Chronicling the Achievements and Activities of Honors Scholars at City Tech

Walter Rada Prof. Reneta D. Lansiquot Prof. Janet Liou∙Mark

A Simulation Model for the Spread of Swine Flu Pandemic

Seyedhamidreza Sadatian Prof. Boyan Kostadinov Prof. Liana Tsenova

Are We More Microbes Than Human Cells?

Sajata Saluja Prof. Nasreen Haque

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Mean Field Approaches for Bose-Einstein Condensation and Super-Fluids

Zeeshan Saroya Prof. Oleg Berman

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Prof. Gwen Cohen-Brown

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Eric Soltan Prof. Illya Azaroff

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Self-Efficacy and Attitudes towards Mathematics of Undergraduates in a Technical College: A United States and Taiwan Comparison

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Infinite Real Estate in Hyperbolic Space

Yi Ming Yu Prof. Satyanand Singh

Pathogenesis of Parkinson's Disease

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Where is My Moon?

Yi Ming Yu Prof. Delaram Kahrobaei

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Suhua Zeng Prof. Sandie Han Prof. Janet Liou-Mark

Where is My Moon?

Suhua Zeng Prof. Delaram Kahrobaei

Propagation of Long-Lifetime Polaritons under the Action of an External Constant Force

Dmitry Zutikov Prof. Oleg Berman Prof. German Kolmakov

LEARNING COMMUNITIES THEME-BASED PROJECTS

The Mathematics of Site Planning

Tasnuva Ahmed, Liyuwork Ayalev, Nataly Bautista, Jose Bello, Kevin Bonifacio, Gianfranco Calderon, Gracy Dubon, Elvio Gimenez, Victor Green, Jonathan Hernandez, Stephanie Jackson, Raynard Landell, Marlenn Lopez, Miguel Olivares, and Eric Thrugood

Prof. Paul C. King ARCH 1250: Applied Environmental Studies



Live with Kelly - January 11, 2012



NYSMATYC Conference, Ellenville, New York - March 21, 2012

SPECIAL PROJECTS

Ways to Improve Profit and Profitability for the Dental Lab Owner

Astrid Araujo Prof. Renata Budny

Why We Dream: Reason, Causes and Evaluation

Xiaodeng Chen

Prof. Nasreen S. Haque and Prof. Niloufar Haque

IPS e-maxpressable vs IPS e-max CAD/CAM

Noeli Mejia

Prof. Renata Budny

Understanding Osteoarthritis and Musculoskeletal System

Brenda Nathan

Prof. Nasreen S. Haque and Prof. Niloufar Haque

The Importance of Autoimmune Diseases and Its Effects on the Central Nervous System and the Brain

Gael Seraphin

Prof. Nasreen S. Haque and Prof. Niloufar Haque

"Implants"

Lorana Sukhnandan Prof. Renata Budny

Sleep Apnea: How Snoring So Loud Can be a Sign of a Serious Disorder

Mirasol Sukhu

Prof. Nasreen S. Hague and Prof. Niloufar Hague

Casino Style BlackJack

Mursheda Ahmed, Amelise Bonhomme, Christopher Chan, Patience Christopher, Yuxi Han, Owen Hewitt, Ali Javid, Johnathan Jimenez, Edmund Joseph, Ali Khan, Ardenis Nikolli, Juan Rijo, Seyedhamidreza Sadatian, Faith Tamisi, Christina Valore and Suhua Zeng Prof. Satyanand Singh MAT 3672: Probability and Mathematical Statistics II

Climate Change Impacts on Water Resources

Joseph Gordon, Yomaris Estrella, Mariya Argirova, Maria Sideris, Bikram Khadka, Brian Febo Prof. Reginald Blake PHYS 1112: Principles of Science II

Climate Change Impacts on Health

Crystal Lin, Anderson Goberdhan, Luis Arnaud, Dalem Tjok, Arsa Artha, Shaquana Frazier Prof. Reginald Blake PHYS 1112: Principles of Science II

Climate Impacts on Energy

Elizabeth Ubinas, Temah Harrison, Raymond Lamothe, Sarah Beyroute, Roy Vasquez Prof. Reginald Blake PHYS 1112: Principles of Science II

The Mechatronics Technology Project STEP Academy and NSF ATE Grant: DUE # 1003712

STEP Advisor: Ms. Ivonne Barreras

Constructive Robeemakers

Eduardo Arguello, Adrian Ayuso, Thomas Dickson, Rama Sagna
Prof. lem Heng and Prof. Andy Zhang

NSF Louis Stokes Alliance for Minority Participation (LSAMP) Program

Program Coordinator: Ms. Minerva Francis

App Development in Android

Mahamudul Abedin Prof. Aparicio Carranza CET 4982: Special Project Technology

Canadian Fire Emissions Detected by Remote Sensing and in situ Measurements During the 2011 IOP at BNL

Antonio Aguirre Prof. Viviana Vladutescu EET 3132: Remote Sensing

Security Risk Solutions in Web Applications

Carla Araile Prof. Aparicio Carranza

CET 4982: Special Project Technology

Cloud Computing and Security

Omar Baksh

Prof. Aparicio Carranza

CET 4982: Special Project Technology

Developing a Micromechanical System for Osteon Isolation

Jorge Bermeo Prof. Gaffar Gailani

Factors Affecting the Proton Exchange Membrane Fuel Cell Characteristic Curve

Yapah Berry Prof. Malek Brahimi MECH 2340: Thermodynamics

Wireless Personal Area Networks (WPANs)

Abul Bhuiyan Prof. Aparicio Carranza CET 4982: Special Project Technology

Implementing Cryptography

Daniel Bui

Prof. Aparicio Carranza

CET 4982: Special Project Technology

Cryptographic Validity and Network Security

Harrison Carranza
Prof. Aparicio Carranza
CET 4082: Special Project

CET 4982: Special Project Technology

Miniature Quadrocopter for 3D Environment Exploration

Daniel Hulijev Dr. Xiaohai Li LSAMP & 2012 CUNY GRTI Grant

Network Virtualization for the Enterprise

Sengyeal Kang

Prof. Aparicio Carranza

CET 4982: Special Project Technology

Lidar Measurement of Urban Atmospheric Properties

Essossimna Kassang Prof. Viviana Vladutescu EET 3132: Remote Sensing

Ethical Questions in Globalizing Engineering

Rhonda Lee-Davis Prof. Gerarda Shields CMCE 1204: Statics and Strength of Materials II

Lidar Measurement of Urban Atmospheric Properties

Edwin Olaya Prof. Viviana Vladutescu EET 3132: Remote Sensing

Security for Wireless Communication Using Cryptography

Viral Patel Prof. Aparicio Carranza

CET 4982: Special Project Technology

Miniature Quadrocopter for 3D Environment Exploration

George A. Perez Dr. Xiaohai Li LSAMP & 2012 CUNY GRTI Grant

MOSIX2 Clustering

Jonathan Perez Prof. Aparicio Carranza CET 4982: Special Project Technology

Factors Affecting the Proton Exchange Membrane Fuel Cell Characteristic Curve

Sean Pratt
Prof. Malek Brahimi
MECH 2340: Thermodynamics

Factors Affecting the Proton Exchange Membrane Fuel Cell Characteristic Curve

Olivia Reed Prof. Malek Brahimi MECH 2340: Thermodynamics

Android App Development "Deus Ex Machina"

Rafael Rufino

Prof. Aparicio Carranza

CET 4982: Special Project Technology

UV Biometer Instrument Used in the Calculation of the UV Index in Brooklyn, NYC Area

Agossa Segla Prof. Viviana Vladutescu EET 3132: Remote Sensing

Developing a Micromechanical System for Osteon Isolation

Salih Shameldin Prof. Gaffar Gailani

Vmware ESX vs Microsoft Hyper-V

Harold Taveras Prof. Aparicio Carranza CET 4982: Special Project Technology

Research Experiences for Undergraduates in Satellite and Ground-based Remote Sensing at NOAA-CREST 2

NSF REU Grant # AGS-1062934 Prof. Reginald Blake and Prof. Janet Liou-Mark

Evaluation of Cloud-top Height Estimates from MODIS Cloud-top Pressure

Folashade Alawiye

Spectral Analysis of Soil Moisture Time SeriesAmelise Bonhomme

Clustering Analysis for Cloud and Surface Type Classification

Andrew Cole

Restoring Images of Band-6 on MODIS-AQUA Bangalee Dolley

All Fiber Based Coherent Doppler LIDARAbdul Jalloh

Validation of a Flash Flood Guidance System Using Observed Flood Data
Juan Mejia

A Study of Cloud Properties Using GOES Thermal Infrared Sensors

Xiaoqian Pan

Numerical Modeling of Wind Driven Water Flow Hussain Rifat

Open-Path FTIR Applications to Aerosol DynamicsPyo Sunyoung

Early Comparative Analysis of Chlorophylla Concentration Algorithms for Use in Coastal Water Retrievals

Avani Ogwaro

Exploring DMSP (Defense Meteorological Satellite Program) SSM/T2: Measurements to Understand Atmospheric Water Vapor Distribution

Marsha Ann Cadougan

Preliminary Analysis: Electricity Consumption Changes in California

Yanelly Molina

MEDU 2901: Peer Leader Training in Mathematics

Metropolitan Mentors Network: Growing an Urban STEM Talent Pool across New York City

NSF STEP Grant #0622493, Black Male Initiative, Perkins VTEA, and MAA Tensor Foundation Women and Mathematics Grant

Prof. AE Dreyfuss

How is the Peer Leader experience enhanced through a community of practice?

Maureen Cauthen

Why are students in workshop able to complete modules but do not perform well on exams?

Jack Huang

What traits do Peer Leaders use to support their students?

Milica Jevtic

Why do students in workshop not like to ask questions?

Alex Yineng Liang

How can the Peer Leader support students' learning in workshop?

Connie Lu

What factors influence workshop students' motivation to succeed?

Fariyal Malik

What happens when students in mathematics hold on to problem-solving methods that are not working?

Shelford Mitchell

What types of interaction help students blossom through workshop in Statics I?

Marcelo Moreira

How can the Peer Leader help students' learning through questioning?

Jonathan Okoro

How can the Peer Leader help students in workshop trust their partner's knowledge?

Alma Plaku

How can female students in a math workshop increase their problem-solving capabilities?

Gendaris Tavera

How is teamwork a key to success in workshop? Trung Tran



The 16th Semi-Annual Honors Scholars Poster Presentation

ACKNOWLEDGEMENTS

To all the dedicated professors for mentoring students, Interim Dean Karl Botchway, Ms. Laura Yuen-Lau, Ms. Iva Williams, Prof. Julia Jordan, Prof. Estela Rojas, Prof. Delaram Kahrobaei, Ms. Minerva Francis, Mr. George Lowe, Mr. Teddy Adolphe, and Mr. Jeff Novak, a heartfelt thank you for making this event a successful one.

A special thank you to the judges for the poster competition: Prof. Reginald Blake, Prof. Aida Egues, Ms. Minerva Francis, Prof. Reneta Lansiquot, Prof. Elaine Leinung, Prof. Cinda Scott, and Prof. Selwyn Williams

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