

THE

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**SEMI-ANNUAL
HONORS SCHOLARS
POSTER PRESENTATION**

**HONORS AND
EMERGING SCHOLARS
POSTER PRESENTATION**

**LEARNING COMMUNITIES
THEME-BASED POSTER PRESENTATION**

WEDNESDAY, DECEMBER 5, 2012
11:00 AM - 4:00 PM

THURSDAY, DECEMBER 6, 2012
10:00 AM - 3:00 PM

KLITGORD GYM

06

HONORS COURSES

08

HONORS IN A REGULAR COURSE

12

EMERGING SCHOLARS

20

LEARNING COMMUNITIES
THEME-BASED PROJECTS

24

SPECIAL PROJECTS



Philadelphia, PA
June 2012



Emerging Scholars Orientation
Prof. Selwyn Williams | September 20, 2012



Peer Assisted Learning Peer Leader Training
Prof. AE Dreyfuss | August 23, 2012



Honors Scholars Orientation
Prof. Janet Liou-Mark | September 6, 2012

AWARDS CEREMONY

December 6, 2012 | Klitgord Gym | 12:30 PM

GREETINGS

DR. RUSSELL K. HOTZLER
President

DR. BONNE AUGUST
Provost & Vice President
Academic Affairs

DR. PAMELA BROWN
Associate Provost

HONORS SCHOLARS RECOGNITION

BARBARA GRUMET, JD
Dean
School of Professional Studies

DR. RENETA LANSIQUOT
Assistant Director
Honors Scholars Program

MS. LAURA YUEN-LAU
Coordinator
Honors Scholars Program

EMERGING SCHOLARS RECOGNITION

DR. SELWYN WILLIAMS
Director
Undergraduate Research

LEARNING COMMUNITIES RECOGNITION

DR. ESTELA ROJAS
Director
Learning Communities

BEST POSTER AWARDS

DR. KARL BOTCHWAY
Interim Dean
School of Arts and Sciences

HONORS COURSES

MAT 1475: CALCULUS I HONORS

Prof. Alexander Rozenblyum

NEWTON'S METHOD OF SOLVING EQUATIONS AND FRACTALS

Azeem Chatha, Phillip Diaz, Toar Sadia

Abstract: Some examples of using of Newton's method of solving equations will be presented. These examples will be visualized with self-similar patterns called fractals.

INVERSE HYPERBOLIC FUNCTIONS

Sayeeda Manzoor, Nusrat Nobl, Andrew Okoro, Sezan Saimon

Abstract: Some properties of inverse hyperbolic functions will be derived. Application to special theory of relativity will be shown.

CHEBYSHEV POLYNOMIALS

Amean Abdelfattah, Brian Mendoza, Rachel Rackal

Abstract: Some properties of Chebyshev polynomials will be derived. Application in approximation theory will be shown.

LEAST SQUARE METHOD

Bhopal Amarsingh, Daniel Bethancourt, Ricardo Dixon, Errick Massian

Abstract: Formulas for Least Square method will be derived. Application to some problems of statistics will be shown.

ECONOMIC SHAPE OF A CAN

Nicholas Brosnan, Corey Johnson

Abstract: A number of optimization problems will be developed.

WIEERSTRASS THEOREM

Dany Silatcha Woussah

Abstract: Wierstrass Theorem on approximation of continuous functions with polynomials will be discussed. Some examples will be presented.

LAW 4900: SENIOR LEGAL SEMINAR HONORS

Prof. Mary Sue Donsky

Luis Arnaud – “Carthage” Trial (Joseph Smith murder trial)
Dina Barakat – John Brown Trial
Donna Cyrus – Massie Trials
Susan Decker – Charlie Manson Trial
David Laus – Earp (OK Corral) Trial
Michael Morgan – Sam Sheppard Trials
Cherry Parris – Thaw (White murder) Trials
Roselyn Rosa – Patty Hearst Trial
Estelle Sims – Al Capone Trial
Tresann Walford – Falwell V. Flynt Trial
Kimmy Zhong – Lizzie Borden Trial

Abstract: Each student will research one of the most famous trials in American history. They will research primary and secondary authority in order to prepare papers and posters about their trials. They will use the peer review process to raise questions about each other's trials. Each student will make an oral presentation about their trial.

LAW 4704: LEGAL TECHNOLOGY HONORS

Prof. Marissa J. Moran

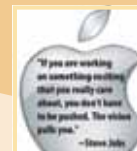
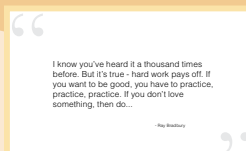
Anthony Alexander, Danielle Berman, Paul Campbell, Susana Ortiz, Alfredo Perez, Elvis Perez, Roselyn Rosa, Arthur Voranav

THE ATTRACTION POWER OF TWO OPPOSITE FORCES: RAY BRADBURY, INNOVATIVE WRITER STEVE JOBS, INNOVATIVE TEKKIE

Abstract: The Legal Technology students will explore the impact and influence of two powerful icons of our time and their divergent viewpoints concerning technology.

ART, TECHNOLOGY, AND LAW - THE “HOPE” POSTER CASE

Abstract: The Legal Technology students will explore and present on the topics of copyright law, art, and technology as they review the case of Shepard Fairey and his use of an Associated Press (AP) photo of Barack Obama. Fairey sought a court declaration that he did not violate AP's copyright when he used an AP photo. He contended that he borrowed someone else's creation for art's sake. The AP then countersued saying the un-credited, uncompensated use of the AP picture did in fact violate copyright laws. This case was settled last year.



HONORS IN A REGULAR COURSE

IPV4 TO IPV6 MIGRATION STRATEGIES

Shamsan Ahmed
Prof. Ossama Elhadary
CST 2307: Networking Fundamentals

DEVELOPING MOBILE APPLICATIONS WITH DATABASE CONNECTIVITY

Mohamed Ali
Prof. Marcos Pinto
CST 3619: Web Services Architecture

FABRICATION CONSIDERATIONS IN MAXILLOFACIAL AND ANAPLASTOLOGY RESTORATIONS

Crystal Allen
Prof. Avis Smith
RESD 1111L: Complete Dentures I

LEARNING CULTURE THROUGH THE USE OF OPENLAB

Lizeth Baudin
Prof. Elaine Leinung
NUR 3010: Physical Assessment

FACADES AND ADAPTIVE COMPONENTS

Marlon Cox
Prof. Alexander Aptekar
ARCH 2430: Building Technology IV

DO IT YOURSELF (DIY) DESIGN

Oscar Diaz
Prof. Libby Clarke
ADV 1227: Typographic Design I

HYDRAULIC FRACTURING: WHAT IS IT? WHAT ARE THE POTENTIAL HEALTH RISKS? WHAT CAN WE DO ABOUT IT?

Francine Eisner
Prof. Kevin McGirr and Prof. Margaret Rafferty
NUR 4110: Urban Health

ARE CURRENT HOSPITAL PROCEDURES TO PREVENT MRSA ENOUGH?

Lauren Gillingham
Prof. Emina Becirovic
BIO 3220: Microbiology

PRIVATE AND MOBILE MEDICAL MONITORING SYSTEM

Netanel Halili
Prof. Eric Sabbah
CST 4713: Web Application Development in Java

FACADES AND ADAPTIVE COMPONENTS

Dane Isaac
Prof. Alexander Aptekar
ARCH 2430: Building Technology IV

SUPERFLUIDITY OF DIPOLAR MAGNETOEXCITONS IN SEMICONDUCTOR COUPLED QUANTUM WELLS IN A HIGH MAGNETIC FIELD

Viktor Ivankevych
Prof. Oleg Berman and Prof. German Kolmakov
PHYS 1442: Physics 2.3

DEVELOPING ONTOLOGIES USING XML DOCUMENTS

Milica Jevtic
Prof. Marcos Pinto
CST 3519: XML Data Representation

NEW INEXPENSIVE FEATURE RICH MICROCONTROLLER SYSTEMS

Paul Julien
Prof. Edward Morton
EMT 2320: Advanced Mechanisms II

INTERACTION OF DIPOLAR EXCITONS IN BOSE-EINSTEIN CONDENSATE

Rajvinder Kaur
Prof. Oleg Berman and Prof. German Kolmakov
PHYS 1442: Physics 2.3

EXPLORING THE PROPAGATION OF POLARITON CONDENSATE

Anna Kuang
Prof. Boris Gelman
PHYS 1433: Physics 1.2

HURRICANE SANDY: A BUSINESS OPPORTUNITY

Brittany Lallkissoon
Prof. Anthony Selvadurai
MKT 1214: Advertising

CORONARY ARTERY DISEASE: YOUR LIFE IS AT RISK!!!!

Danique McFarlane
Prof. Niloufar Haque and Prof. Nasreen Haque
BIO 2312L: Human Anatomy and Physiology II

ADVERTISING CAMPAIGN – EL WATUSI

Mandy Mei
Prof. Ira Robbins
ADV 2300: Communication Design I

JESSICA HISCHE'S TYPOGRAPHIC WORK

Mandy Mei
Prof. Niyati Mehta
ADV 1227: Typographic Design I

THE ROLE OF OXIDATIVE STRESS AND REACTIVE OXYGEN SPECIES (ROS) IN THE PROGRESSION OF ALZHEIMER'S DISEASE

Md Mofidul Hossain Rezwan Mia
Prof. Suresh Tewani
CHEM 3312: Analytical Chemistry I

ADVERSE POSSESSION "DEFINITION OF HOSTILITY"

Albert Morris Jr.
Prof. Jeannette Espinoza
LAW 1202: Real Estate Law

ENERGY ANALYSIS FOR TRANSPORTATION IN NEW YORK CITY

Herman Pardon Jr.
Prof. Masato Nakamura
IND 2313: Industrial Design I

WEST NILE VIRUS: IS IT A THREAT?

Alma Plaku
Prof. Liana Tsenova
BIO 3302L: Microbiology

BLACK AND WHITE IN COLOR: MINORITIES IN COMIC BOOKS AND THEIR FILM ADAPTATIONS

Dominick Prince
Prof. Rebecca Devers
ENG 3402: Topics in Literature: Graphic Novel

THE DRAY EFFECTS IN THE COUPLED QUANTUM WELLS EMBEDDED IN A MICROCAVITY

Rachel Rackal
Prof. Boris Gelman
PHYS 1433: Physics 1.2

THE NOTION OF JUSTICE IN PLATO'S REPUBLIC

Marissa Ramnath
Prof. Lauren Park
PHIL 2101: Introduction to Philosophy

THE 10 YEAR LEGACY: THE PROPERTY DISCLOSURE ACT

Tamir Smart
Prof. Jeannette Espinoza
LAW 1202: Real Estate Law

PRIVATE AND MOBILE MEDICAL MONITORING SYSTEM

Hok Sing Tong
Prof. Eric Sabbah
CST 4713: Web Application Development in Java

TRANSITION IN CARE

Jamaai Young
Prof. Patricia Cholewka
NUR 3110: Leadership in the Management of Client Care

EMERGING SCHOLARS

NONLINEAR EFFECTS IN EXCITONIC SYSTEM

Amean Abdelfattah
Prof. Oleg Berman and Prof. German Kolmakov

AMPLIFYING THE AWARENESS OF THE GEOSCIENCES AMONG UNDERREPRESENTED MINORITIES IN STEM

Mursheda Ahmed
Prof. Reginald Blake and Prof. Janet Liou-Mark

IPV4 TO IPV6 MIGRATION STRATEGIES

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DEVELOPING MOBILE APPLICATIONS WITH DATABASE CONNECTIVITY

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Prof. Marcos Pinto

THE MATHEMATICS OF MEDICAL IMAGING

Frank Aline
Prof. Boyan Kostadinov

QUANTUM TECHNIQUES IN CRYPTOGRAPHY

Frank Aline
Prof. Delaram Kahrobaei

DIETARY LINKS TO ALZHEIMER'S DISEASE

Yaotian An
Prof. Laina Karthikeyan

MOLECULAR BASIS OF DYSTONIA

Yaotian An
Prof. Laina Karthikeyan

THE 18S RIBOSOMAL GENE SEQUENCE OF ZONOCERUS VARIEGATES

Yaotian An
Prof. Olufemi Sodeinde

EMOTIONAL STRESS, MEANING-MAKING, AND WELL-BEING

Pascal Babmatee
Prof. Jean Kubeck and Prof. Pa Her

EFFECT OF ZINGIBER OFFICINALE, ALLIUM SATIVUM, AND ALLIUM CEPA

Toni Batiste
Prof. Ralph Alcendor

RELATIONAL AGGRESSION

Lizeth Baudin
Prof. Aida Eques

DENTAL CARIES EXPERIENCE OF CLIENTS VISITING THE NYC COLLEGE OF TECHNOLOGY DENTAL HYGIENE CLINIC

Mayra Beltrame
Prof. Anty Lam

RELATIONAL AGGRESSION

Samantha Blair
Prof. Aida Eques

QUANTUM TECHNIQUES IN CRYPTOGRAPHY

Amelise Bonhomme
Prof. Delaram Kahrobaei

DESIGNING FOR DISASTER: HIGH DENSITY RESPONSE

Marsha Ann Cadougan
Prof. Illya Azaroff

DEVELOPING ONTOLOGIES USING XML DOCUMENTS

Jaime Cajamarco
Prof. Marcos Pinto

LAW, PRIVACY, & TECHNOLOGY

Fanny G. Chico
Prof. Marissa Moran

WASTE HEAT UTILIZATION: SHAPE MEMORY ALLOY (SMA) ENGINE

Eduardo Cristi
Prof. Masato Nakamura

QUANTITATIVE ANALYSIS OF RECYCLING PROCESS

Zulma Cruz
Prof. Masato Nakamura

CHRONICLING THE ACHIEVEMENTS AND ACTIVITIES OF HONORS SCHOLARS AT CITY TECH

Tamrah Cunningham
Prof. Reneta Lansiquot

WHY DO THERAPIES ULTIMATELY FAIL IN MULTIPLE SCLEROSIS: AN AUTOIMMUNE DEMYELINATING DISEASE OF THE CNS?

Sebastien Dalencourt
Prof. Andleeb Zameer

CHRONICLING THE ACHIEVEMENTS AND ACTIVITIES OF HONORS SCHOLARS AT CITY TECH

Oscar Diaz
Prof. Reneta Lansiquot

DESIGNING FOR DISASTER: HIGH DENSITY RESPONSE

Vladyslav Dunda
Prof. Illya Azaroff

BOTTLE MASONRY UNIT: A STUDY OF RECLAIMED MATERIAL

Daniel Egan
Prof. Paul King

SUPERFLUIDITY OF MAGNETOPOLARITONS IN A MICROCAVITY IN A HIGH MAGNETIC FIELD

Ricardo Ferro
Prof. Oleg Berman and Prof. German Kolmakov

SUPERFLUIDITY OF EXCITON POLARITONS IN A MICROCAVITY

Ahmed Fraz
Prof. Oleg Berman and Prof. German Kolmakov

BIOLOGICAL APPLICATIONS OF PORPHYRINOIDS

Roger Galeono
Prof. Diana Samaroo

DEVELOPING MOBILE APPLICATIONS WITH DATABASE CONNECTIVITY

Elaine Greene
Prof. Marcos Pinto

PRIVATE AND MOBILE MEDICAL MONITORING SYSTEM

Netanel Halil
Prof. Eric Sabbah

THE STUDY OF HOSPITAL RE-ADMISSIONS: A CASE STUDY APPROACH

Nadera Halley
Prof. Patricia Cholewka

DESIGNING FOR DISASTER: HIGH DENSITY RESPONSE

Edmund Huang
Prof. Illya Azaroff

BIOLOGICAL APPLICATIONS OF PORPHYRINOIDS

Salima Huseynova
Prof. Diana Samaroo

SPONTANEOUS SYMMETRY BREAKING AND THE HIGGS BOSON

Salima Huseynova
Prof. Andrea Ferrogli

SUPERFLUIDITY OF DIPOLAR EXCITONS IN SEMICONDUCTOR COUPLED QUANTUM WELLS

Ervin Ibragimov
Prof. Oleg Berman and Prof. German Kolmakov

THE ENERGY OF GRAPHS IN MATH, PHYSICS AND CHEMISTRY

Adam Ibrahim
Prof. Andrew Douglas

SUPERFLUIDITY OF DIPOLAR MAGNETOEXCITONS IN SEMICONDUCTOR COUPLED QUANTUM WELLS IN A HIGH MAGNETIC FIELD

Viktor Ivankevych
Prof. Oleg Berman and Prof. German Kolmakov

DEVELOPING ONTOLOGIES USING XML DOCUMENTS

Milica Jevtic
Prof. Marcos Pinto

AN ANALYSIS OF DOMESTIC VIOLENCE AMONG URBAN WOMEN OF COLOR

Natalie Jones
Prof. Christine Thorpe

CHRONICLING THE ACHIEVEMENTS AND ACTIVITIES OF HONORS SCHOLARS AT CITY TECH

Ruchoma Kaganoff
Prof. Reneta Lansiquot

INTERACTION OF DIPOLAR EXCITONS IN BOSE-EINSTEIN CONDENSATE

Rajinder Kaur
Prof. Oleg Berman and Prof. German Kolmakov

CHEMICAL EQUILIBRIUM CALCULATIONS USING MICROSOFT EXCEL

Ramnish Kaur
Prof. Suresh Tewani

WHY DO THERAPIES ULTIMATELY FAIL IN MULTIPLE SCLEROSIS: AN AUTOIMMUNE DEMYELINATING DISEASE OF THE CNS?

Ramnish Kaur
Prof. Andleeb Zameer

SOCIAL NETWORK AND ITS ROLE IN CONFLICTS AND THEIR RESOLUTION

George Kobakhidze
Prof. Lisa Pope Fischer

DEVELOPING MOBILE APPLICATIONS WITH DATABASE CONNECTIVITY

Willis Kong
Prof. Marcos Pinto

QUANTIFICATION OF FLUORIDE ION CONCENTRATIONS IN COMMERCIALY AVAILABLE TEA

Mariya Kostova
Prof. Jay Deiner

PROPAGATION OF A POLARITON CONDENSATE UNDER THE ACTION OF AN EXTERNAL FORCE

Anna Kuang
Prof. Oleg Berman and Prof. German Kolmakov

ISSUES IN FORENSIC PSYCHOLOGICAL EVALUATIONS IN FAMILY COURT MATTERS

Amit Kumar
Prof. Mark Rand

INVESTIGATION ON VARIOUS LOSS MECHANISMS IN A S-BAND OPTICAL AMPLIFIER

Andrew Liu
Prof. Lufeng Leng

AMPLIFYING THE AWARENESS OF THE GEOSCIENCES AMONG UNDERREPRESENTED MINORITIES IN STEM

Connie Lu
Prof. Janet Liou-Mark and Prof. Reginald Blake

COOL ROOFS, COOLER CITIES: REDUCING ENERGY CONSUMPTION AND THE HEAT ISLAND EFFECT IN URBAN SETTINGS THROUGH ROOF DESIGN

Albino Marsetti
Prof. Masato Nakamura

SPONTANEOUS SYMMETRY BREAKING AND THE HIGGS BOSON

John Martinez
Prof. Andrea Ferrogli

THE DYNAMICS OF A BOSE-EINSTEIN CONDENSATE OF MICROCAVITY POLARITONS IN AN OPEN GEOMETRY

Gelaney Matthew
Prof. Oleg Berman and Prof. German Kolmakov

THE MATHEMATICS OF MEDICAL IMAGING

Juan Mejia
Prof. Boyan Kostadinov

THE ROLE OF OXIDATIVE STRESS AND REACTIVE OXYGEN SPECIES (ROS) IN THE PROGRESSION OF ALZHEIMER'S DISEASE

MD Modiful H. R. Mia
Prof. Alberto Martinez and Prof. Suresh Tewani

DIETARY LINKS TO ALZHEIMER'S DISEASE

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MOLECULAR BASIS OF DYSTONIA

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CHRONICLING THE ACHIEVEMENTS AND ACTIVITIES OF HONORS SCHOLARS AT CITY TECH

Andrea Morin
Prof. Reneta Lansiquot

WEST NILE VIRUS: IS IT A THREAT?

Pablo Mota
Prof. Liana Tsenova

THE BOSE-EINSTEIN CONDENSATION OF MICROCAVITY POLARITONS IN A TRAP

Mohammed Nawaz
Prof. Oleg Berman and Prof. German Kolmakov

CHLORINS: STRUCTURE, FUNCTION AND APPLICATIONS

Wurood Nomon
Prof. Diana Samaroo

RELATIONAL AGGRESSION

Oluyinka Oluwashola
Prof. Aida Egues

LIQUID MATERIALS WITH RECYCLED CONTENT

Patricia Paredes
Prof. Alexander Aptekar

CHLORINS: STRUCTURE, FUNCTION AND APPLICATIONS

Evelyn Perez
Prof. Diana Samaroo

WEST NILE VIRUS: IS IT A THREAT?

Alma Plaku
Prof. Jonathan Natov and Prof. Liana Tsenova

ADMISSIONS CRITERIA FOR RADIOLOGIC TECHNOLOGY PROGRAMS

John Polcari
Prof. Jennett Ingrassia and Prof. Anthony Devito

EFFECTS OF FIELD INDEPENDENCE/DEPENDENCE AND ATTENTION RESTORATION IN VIRTUAL ENVIRONMENTS ON COGNITIVE PERFORMANCE

Steven Pretel
Prof. Howard Sisco

THE DRAG EFFECTS IN THE COUPLED QUANTUM WELLS EMBEDDED IN A MICROCAVITY

Rachel Rackal
Prof. Oleg Berman and Prof. German Kolmakov

CHRONICLING THE ACHIEVEMENTS AND ACTIVITIES OF HONORS SCHOLARS AT CITY TECH

Walter Rada
Prof. Reneta Lansiquot

THE NOTION OF JUSTICE IN PLATO'S REPUBLIC

Marissa Ramnath
Prof. Laureen Park

THE LINK BETWEEN ORAL & SYSTEMIC HEALTH

Joanne Saint-Vil
Prof. Aida Egues

TRANSITION IN CARE

Joanne Saint-Vil
Prof. Patricia Cholewka

EFFECT OF ZINGIBER OFFICINALE, ALLIUM SATIVUM, AND ALLIUM CEPA ON TETRAHYMENA THERMOPHILIA

Peggy Saint-Vil
Prof. Ralph Alcendor

THE EXCITONIC BOSE-EINSTEIN CONDENSATION IN A TRAP

Genny Sanchez
Prof. Oleg Berman and Prof. German Kolmakov

EFFICACY OF SMALL MOLECULES METAL IONOPHORES IN THE TREATMENT OF ALZHEIMER'S DISEASE

Ismaila Sanogo
Prof. Alberto Martinez and Prof. Suresh Tewani

NEW COMBUSTION CHAMBER DESIGN FOR ENERGY RECOVERY

Jason Singh
Prof. Masato Nakamura

THE LINK BETWEEN ORAL & SYSTEMIC HEALTH

Tracey Smith
Prof. Aida Egues

TRANSITION IN CARE

Tracey Smith
Prof. Patricia Cholewka

EMOTIONAL STRESS, MEANING MAKING AND WELL-BEING

Eleanor Strehl
Prof. Jean Kubeck and Prof. Pa Her

SPONTANEOUS SYMMETRY BREAKING AND THE HIGGS BOSON

Charles Thomas
Prof. Andrea Ferrogli

PRIVATE AND MOBILE MEDICAL MONITORING SYSTEM

Hok Sing Tong
Prof. Eric Sabbah

TIME SERIES ANALYSIS OF E-BAY AUCTION PRICES

Savpreet Walia
Prof. Ossama Elhadary

HEAT TRANSFER ANALYSIS OF COMPUTER COMPONENTS FOR ELECTRONIC WASTE (E-WASTE REDUCTION)

Lin Chia Wang
Prof. Masato Nakamura

DESIGNING FOR DISASTER: HIGH DENSITY RESPONSE

Takao Watanabe
Prof. Illya Azaroff

THE LINK BETWEEN ORAL & SYSTEMIC HEALTH

Jamaai Young
Prof. Aida Egues

TRANSITION IN CARE

Jamaai Young
Prof. Patricia Cholewka

SELF-EFFICACY AND ATTITUDES TOWARDS MATHEMATICS OF UNDERGRADUATES IN TECHNICAL COLLEGES: A UNITED STATES AND TAIWAN COMPARISON

Karmen Yu
Prof. Sandie Han and Prof. Janet Liou-Mark

SPECIAL SUMMATIONS USING PROBABILITY AND NUMBER THEORY

YiMing Yu
Prof. Satyanand Singh

WEST NILE VIRUS: IS IT A THREAT?

Yi Ming Yu
Prof. Jonathan Natov and Prof. Liana Tsenova

SELF-EFFICACY AND ATTITUDES TOWARDS MATHEMATICS OF UNDERGRADUATES IN TECHNICAL COLLEGES: A UNITED STATES AND TAIWAN COMPARISON

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

LEARNING COMMUNITIES THEME-BASED PROJECTS

COMPOSING ABSTRACTIONS

Ravenna Bahadur, Ross Barnes, Austin Felix,
Stefon Gordon, Stalin Lozado, Palvi Manhas,
Angel Margarito, Manuel Margarito, Carlos Mo,
Franklin Rojas, Stephanie Sanchez,
Diego Vega, Valerien Yepes

Profs. Matt Gold, Sanjive Vaidya, and Shoma Lahiry
ENG1101: English Composition I
ARCH1110: Design Foundations I
ARCH1191: Visual Studies

THE NARRATIVE OF COMPUTING

Group 1: Family First
George Henriquez, Jason Jamna, Mohashin Mostafa,
Gurpreet Singh, Jose Zapatero

Group 2: Shift
Mayrelen Felix, Darwin Fuentes, Victor Guerrero, Devon Tucker

Group 3: Immaculacy
Jorge Acosta, Solanlly Hernandez, Wood Legoute, Miguelina Lopez

Group 4: Reclamation
Chaoqun Chen, Ashik Mitra, Eli Perez, Jacky Xu, Bowai Yuen

Group 5: The Last Wolf
Maen Caka, Jose Fernandez, Mais Gurshumov,
Chevanne Morris, Jayson Valderrama

Prof. Reneta Lansiquot and Prof. Candido Cabo
ENG1101: English Composition
CST1101: Problem Solving with Computer Programming

SO...WHAT?: USING CAUSE AND EFFECT TO UNDERSTAND ELEMENTS OF MATH AND GRAMMAR

Ebunoluwa Adebajo, Brad Lee Alba, Jessica Algarin,
Jerica Collado, Clifford Cruz, Aleksander Dabrowski,
Anthony Garcia, Humberto Gomez, Andrew Gonzalez,
Kamrul Hassan, Daniel Hernandez, Katelyn Insinga,
Gerald Levendusky, Giancarlo Macias, Mohammed Mia,
Michka Morris, Daniel Sullivan, Joshua Washington,
Gary Yee, Kevin Yuksekol, Rayan Zebib, Jun Wei Zhong

Prof. Holly Carley and Prof. Jennifer Sears
MAT1175: Fundamentals of Mathematics
ENG 1101: English Composition I

DESIGNING LANGUAGE

Enrique Aguirre, Saadiq Alli, Christopher Alvarado,
Michell Calderon, Lisa Chattoo, Justyn Clarke,
Yvonne Escobar, Michael Gonzalez, Clyde Harris,
Andrew Morocho, Jessica Ortega, Darryl Reid,
Karen Rodriguez, Errol Stewart, Anna Tam, Lok Tung Tsang

Prof. Rebecca Devers and Prof. Genevieve Hitchings
ENG1101: English Composition I
ADV1162: Raster & Vector Graphics

SOCIAL ISSUES IN A MODERN ERA

Chris Florentino, Briana Laing-Felix, Stu Peter,
Brandon St. Jean, Dionel Then

Prof. Anna Do and Prof. Jeannette Espinoza
ENG1101: English Composition
LAW1101: Introduction to Paralegal Studies

MATHEMATICAL CIRCUITS

Mathematical Circuit #1

Patrick Barton, Louis Caballero, Kavier Mercy, Andre Phanor

Mathematical Circuit #2

Darren Gopaul, Awad Nagi, Raheem Ramsarran

Mathematical Circuit #3

Slawomir Kania, Vidal C. Lopez, Marlon Myers

Mathematical Circuit #4

Navid Ahsan, Enrique Hernandez, Sukhdeep Singh, Javier Verdejo

Mathematical Circuit #5

Edwin Lorenzo, David Nimako, John Willabus

Mathematical Circuit #6

Rubi Dhakal, Diego Lopera, Edward Manakhimov, Daniel Wu

Prof. Ariane Masuda and Prof. Farrukh Zia

MAT1275: College Algebra and Trigonometry

EMT1150: Electrical Circuits

WHO AM I AND WHY AM I HERE?

James Brown, Danny Liang, Jared Shillingford, Kerneil Wells

Prof. Jeannine Foster-McKelvia and Prof. Randi Ross

AFR 1321: Black Theater

ENG 092W: Developmental Writing II

KNOWLEDGE IN ACTION

Group 1: Use of Paper

Jamila Begum, Balaj Mehta

Group 2: Keeping Batteries Out of Landfills

Devin Bickram, Tajram Mark Bissoondial, Rashad Rahman

Group 3: Hypertension

Dominique Callender, Christina Bloomfield,
Nathanaelle Eugene, Darrel Smith

Group 4: Energy Consumption

Adriana Colon, Maria Fuzailov, Viktoriya Syatkina

Group 5: Bottles of Awareness

Erika Herrera, Gabriel Joseph, Karla-Marie Marcelle

Group 6: Carbon Emission

Kristopher Linares, Gaelle Morin, Charlotte Streater

Prof. Sheila Miller and Prof. Jeremy Seto

MAT1175: Fundamentals of Mathematics

BIO1101: Biology I



Writing Abstracts for Research Projects
WAC Writing Fellows | September 27, 2012



Developing and Delivering Effective Research Presentations
Profs. Jody Rosen and Justin Davis | November 8, 2012

SPECIAL PROJECTS

LEARNING CULTURE THROUGH THE USE OF OPEN LAB

Samantha Blair
Prof. Elaine Leinung

HISTORY OF INTERIORS

Julia Bartone
Prof. Shelley Smith

BROOKLYN WATERFRONT 2050

NSF TUES GRANT #0942720

A STATISTICAL MODEL FOR PRECIPITATION DATA IN BROOKLYN

Rana Ahsan, Vincent Chin, Sukhwinder Singh
Prof. Huseyin Yuce

A STATISTICAL MODEL FOR TEMPERATURE DATA IN BROOKLYN

Endri Domi, Jeffrey Hammer, Satish Maharaj
Prof. Huseyin Yuce

MECHATRONICS TECHNOLOGY CENTER: LEARNING PRODUCT

DESIGN THROUGH HANDS-ON MECHATRONICS PROJECT

NSF ATE GRANT #1003712

LOOP-O-SCOPE: ENDOSCOPIC LOOP DETECTION SYSTEM

Alex Barbaran, Joe Kim, Bijan Mokhtari,
Aidan Murphy, Fritzpatrick Roque
Prof. Andy S. Zhang and Prof. Farrukh Zia

RARE LOOP FINDER: AN ENDOSCOPIC LOOP DETECTION DEVICE

Anthony Francis, Ali Harb, Maria Vanegas, Ethan Wong
Prof. Farrukh Zia and Prof. Andy S. Zhang

NSF LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION

(LSAMP) PROGRAM

Program Coordinator: Ms. Jodi-Ann Young

DESIGN AND FABRICATION OF CUSTOM-MADE IMPLANTS

Yapah Berry
Prof. Gaffar Gailani

DESIGN OF LARGER PROTON EXCHANGE MEMBRANE FUEL CELLS BASED ON A SMALL FUEL CELL

Yapah Berry
Prof. Malek Brahim

DESIGN ANALYSIS OF REVERSE ACTING GRATE FOR SOLID WASTE MIXING

Josel De La Cruz
Prof. Masato Nakamura

UTILIZING SENSORS TO IMPROVE THE AWARENESS OF A ROBOT

Anthony Francis
Prof. Andy S. Zhang

TRANSFORMATION RELIABILITY FOR SMALL TO LARGER PROTON EXCHANGE MEMBRANE FUEL CELLS

Sean Pratt
Prof. Malek Brahim

LOAD EFFECT ON PROTON EXCHANGE MEMBRANE FUEL CELLS

Olivia Reed
Prof. Malek Brahim

THE ENERGY OF GRAPHS IN MATH, PHYSICS, AND CHEMISTRY

Faith Tamisi
Prof. Andrew Douglas and Prof. Thomas Tradler

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

CLASSIFYING LAND COVERS USING SPECTRAL SIGNATURES

Folashade Alawiye
Dr. Kyle McDonald

SPECTRAL ANALYSIS OF SOIL MOISTURE TIME SERIES

Amelise Bonhomme
Dr. Nir Krakauer

GRAPHYTE AND AURUM: LEARNING MODULES FOR REMOTE SENSING CLASSIFICATIONS

Luis Bello
Dr. Irena Gladkova

VALIDATION OF FLASH FLOOD GUIDANCE SYSTEM USING OBSERVED FLOOD DATA

Juan Mejia
Dr. Tarendra Lakhankar

NUMERICAL MODELING OF WIND DRIVEN WATER FLOW

Rifat Hussain
Dr. Hangsong Tang

OPEN-PATH FTIR APPLICATIONS TO AEROSOL DYNAMICS

Sunyoung Pyo
Dr. Fred Moshary

SPATIAL AND TEMPORAL VARIABILITY IN OCEAN COLOR (OC) IMAGERY DATA OF THE LONG ISLAND SOUND REGION

Robert Bararwandika
Dr. Samir A. Ahmed

SATELLITE REMOTE SENSING OF CLOUDS AND HURRICANES UPPER-TROPOSPHERIC WATER VAPOR

Renford Alexander
Dr. Johnny Luo

CLOUD PHYSICS AND DYNAMICS

Sikha Basnet
Dr. William B. Rossow

HEAT TRANSFER APPLIED TO ENVIRONMENTAL FLOWS

Mohammed Alvi
Dr. Jorge Gonzalez

WATER RESOURCES, WEATHER EXTREMES, SUSTAINABILITY, AND CLIMATE CHANGE EFFECTS ON WATER RESOURCES

Milica Jevtic
Dr. Charles Vörösmarty

VALIDATION OF FLASH FLOOD GUIDANCE SYSTEM USING OBSERVED FLOOD DATA

Christopher Chan
Dr. Tarendra Lakhankar

**CREATING AND SUSTAINING DIVERSITY IN THE GEO-SCIENCES AMONG STUDENTS AND TEACHERS IN THE URBAN COASTAL ENVIRONMENT OF NEW YORK CITY
NSF ODEG GRANT #1108281**

EET 3132: Remote Sensing
Prof. Viviana Vladutescu

MODERN OPTICAL TECHNIQUES USED IN JAMES WEB SPACE TELESCOPE SEGMENT OPTICS AND SPACE INSTRUMENTS

Phillip Coulter, Theodore Hajimichael, Raymond Ohl,
Edwin Olaya, Agossa Segla

NON CONTACT MEASUREMENT OF LARGE FORMAT DETECTORS AND THERMAL BLANKET SURROUNDING THE FLIGHT INSTRUMENTS OF JWST

Phillip Coulter, Theodore Hajimichael, Raymond Ohl,
Edwin Olaya, Agossa Segla

MINITUARIZING IR SPECTROMETERS FOR STUDYING PLANETARY ATMOSPHERES

Antonio Aguirre, Shahid Aslam, Tilak Hewagama

NEW YORK CITY RESEARCH INITIATIVE (NYCRI) USING NEURAL NETWORK TECHNIQUES TO PREDICT SURFACE PM2.5 LEVELS FROM OPTICAL AND METEOROLOGICAL DATA

Nkosi Alleyne, Gary Bouton, Lina Cordero
Michael Hirschberger, Christopher Widi
Prof. Barry Gross

IMAGE COMPRESSION AND IMAGE PROCESSING

Maurice Evans, Noam Pillischer, Alyssa Taylor
Prof. Tanvir Prince

**METROPOLITAN MENTORS NETWORK: GROWING AN URBAN STEM TALENT POOL ACROSS NEW YORK CITY
NSF STEP GRANT #0622493**

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DESIGN AND FABRICATION OF CUSTOM-MADE IMPLANTS

Muhammad Ali
Prof. Gaffar Gailani

MEDU 2901: Peer Leader Training in Mathematics
Prof. AE Dreyfuss

HOW DOES QUESTIONING HELP STUDENTS IN A STATICS I WORKSHOP?

Pedro Bautista

HOW CAN STUDENTS IN A MATHEMATICS WORKSHOP BE MOTIVATED TO RAISE THEIR EXPECTATIONS OF THEIR PERFORMANCE?

Yanna Chen

HOW CAN THE PEER LEADER HELP STUDENTS IN A STATICS I WORKSHOP AVOID MISTAKES?

Ricardo Dixon

HOW CAN THE PEER LEADER DEVELOP A TEAM OF LEARNERS IN A MATHEMATICS 1175 WORKSHOP?

Alan Jara

HOW DOES A PEER LEADER TAKE CHARGE FOR THE BENEFIT OF A MATHEMATICS WORKSHOP GROUP?

Ebrahim Saif

WHAT FACTORS AID A MATHEMATICS WORKSHOP TO BE A HIGH-PERFORMING GROUP?

Denice Santos

HOW CAN THE PEER LEADER OVERCOME RESISTANCE AMONG STUDENTS IN A MATHEMATICS WORKSHOP?

Mei Lee Soto

HOW CAN THE PEER LEADER SCAFFOLD STUDENTS' LEARNING IN A MATHEMATICS WORKSHOP?

Albina Yevdayeva

***A LIVING LABORATORY: REVITALIZING GENERAL EDUCATION FOR A 21ST-CENTURY COLLEGE OF TECHNOLOGY
U.S. DEPARTMENT OF EDUCATION TITLE V GRANT***

CHEM 1201L: General Chemistry II
Prof. Diana Samaroo

ANALYSIS OF INORGANIC CHEMICALS ON WATER QUALITY IN BROOKLYN: A TITLE V COLLABORATIVE PROJECT

Anne Lutteli Belabe, Rashawn Collier, Kachiside Duru, Allan Guzman, Adrian Klusek, Abigail Laub, Tiffany Levy, Xiufang Li, Nadezhda Musayev, Nurtherine Namkaew, Daniel Ortiz, Aldijana Pelinkovic, Gabe Joseph Rotor, Tom Tatonetti, Andrew Wills, Nelson Wong



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Ms. Jodi-Ann Young | November 15, 2012



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November 9, 2012



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