THE 17th

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

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HONORS COURSES

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HONORS IN A REGULAR COURSE

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EMERGING SCHOLARS

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LEARNING COMMUNITIES
THEME-BASED PROJECTS

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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 Nobi, 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: Wieerstrass 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. Laureen 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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Prof. Ossama Elhadary

DEVELOPING MOBILE APPLICATIONS WITH DATABASE CONNECTIVITY
Mohamed Ali
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 Ferroglia

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 Ivankevyeh
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 COMMERCIALLY 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 Ferroglia

THE DYNAMICS OF A BOSE-EINSTEIN CONDENSATE OF MICROCAVITY POLARATIONS 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
MD Modiful H. R. Mia
Prof. Laina Karthikeyan

MOLECULAR BASIS OF DYSTONIA
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THE 18S RIBOSOMAL GENE SEQUENCE OF ZONOCERUS VARIEGATES
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DIETARY LINKS TO ALZHEIMER'S DISEASE
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CHRONICLING THE ACHIEVEMENTS AND ACTIVITIES OF HONORS SCHOLARS AT CITY TECH
Venezia Moorer
Prof. Reneta Lansiquot

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 THERMOPHLIA
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 Ferroglia

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
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TRANSITION IN CARE
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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
Group1: 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
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NSF LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION (LSAMP) PROGRAM
Program Coordinator: Ms. Jodi-Ann Young

DESIGN AND FABRICATION OF CUSTOM-MADE IMPLANTS
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Prof. Gaffar Gailani

DESIGN OF LARGER PROTON EXCHANGE MEMBRANE FUEL CELLS BASED ON A SMALL FUEL CELL
Yapah Berry
Prof. Malek Brahimi

DESIGN ANALYSIS OF REVERSE ACTING GRATE FOR SOLID WASTE MIXING
Josel De La Cruz
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UTILIZING SENSORS TO IMPROVE THE AWARENESS OF A ROBOT
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Dr. Charles Vörösmarty

VALIDATION OF FLASH FLOOD GUIDANCE SYSTEM USING OBSERVED FLOOD DATA
Christopher Chan
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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

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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

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Prof. Tanvir Prince

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

BLACK MALE INITIATIVE, AND MAA TENSOR FOUNDATION WOMEN AND MATHEMATICS GRANT

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?
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HOW DOES A PEER LEADER TAKE CHARGE FOR THE BENEFIT OF A MATHEMATICS WORKSHOP GROUP?
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A LIVING LABORATORY: REVITALIZING GENERAL EDUCATION FOR A 21ST-CENTURY COLLEGE OF TECHNOLOGY
U.S. DEPARTMENT OF EDUCATION TITLE V GRANT

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ANALYSIS OF INORGANIC CHEMICALS ON WATER QUALITY IN BROOKLYN: A TITLE V COLLABORATIVE PROJECT
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Ms. Jodi-Ann Young | November 15, 2012

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August 2012

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Prof. Karen Goodlad | October 16, 2012

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