SEMI ANNUAL

THE HONORS AND UNDERGRADUATE RESEARCH SCHOLARS POSTER PRESENTATION

WEDNESDAY, MAY 2, 2018
11:00 AM – 4:00 PM
ATRIUM GROUND & FIRST FLOORS

THURSDAY, MAY 3, 2018
10:00 AM – 3:00 PM
ATRIUM GROUND & FIRST FLOORS

AWARDS CEREMONY
12:30PM
ATRIUM AMPHITHEATER

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AWARDS CEREMONY

MAY 3, 2018 – 12:55 PM
ATRIUM AMPHITHEATER

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Russell K. Hotzler

President

Bonne August

Provost and Vice President
for Academic Affairs

Pamela Brown

Associate Provost

Recognition of Undergraduate Researchers

Honors Scholars

Janet Liou-Mark

CUNY Research Scholars

Hamidreza Norouzi

Emerging Scholars

Hamidreza Norouzi

LSAMP Scholars

Andrew Wills

Grant-Funded Projects

Laura Yuen-Lau

Special Projects

Laura Yuen-Lau

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Reneta Lansiquot

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Ilhom Bakiyev
Prof. Sanjoy Chakraborty
BIO 3526: Pathophysiology

Measurement of Airflow Through Entrance Doors

Jelani Barro
Prof. Catherine Cullen
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Jelani Barro
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Working with Many Strong Personalities

Jermy Budhram
Prof. Hans Tokke
SOC 1104: Race and Ethnic Relations

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Turjo Chowdhury
Prof. Janet Liou-Mark
MEDU 2901: Peer Leader Training in Mathematics

Using Big Data Analysis to Investigate Where It Pays to Attend College

Mukadder Cinar
Prof. Boyan Kostadinov
MAT 4672: Computational Statistics

Voice Controlled Robotic Mannequin

Tasha Deoroop
Prof. Farrukh Zia
CET 4811: Computer Controlled Systems Design II

Molecular Docking of Multitargeted-Directed Ligand Compounds on Human Serum Albumin

Miguel Gomez
Prof. Mai Zahran
BIO 3356: Molecular Modeling in Biology

Earthquake Building Resistance

Besnik Hasa
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Comparison of Air-Content Measurement by Volumetric Method for Different Aggregates

Kyaw Htun
Prof. Navid Allahverdi
CMCE 4401: Special Topics in Construction Engineering

Predicting Stock Prices Using Stock Options

Jieaho Huang
Prof. Caner Koca
MAT4788: Financial Risk Modeling

Predicting Stock Prices Using Stock Options

Julio Salazar Ibarra
Prof. Caner Koca
MAT 4788: Financial Risk Modeling

Department of Environmental Protection
March 9, 2018

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Kimberly Jones
Prof. Amanda Almond
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Improving Hand Hygiene to Prevent Nosocomial Infections

Jenelle Joseph
Prof. Diana Samaroo
CHEM 2223: Organic Chemistry

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Tian Leng
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ENT 3290: Digital Video Camera

Developments, Techniques and Applications of Concrete

Gabriela Martinez
Prof. Charles Jenkins
ARCH 4740: Detailing and Construction Technology for Existing Buildings

The Future Accounting Graduate

Radia Mehjabin
Prof. Rachel Raskin
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Estrella Moreira
Prof. Farrukh Zia
CET 4811: Computer Controlled Systems Design II

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Wes Oler
Prof. Ashwin Satyanarayana
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Are there Gender Differences in Attitude Towards Mathematics in an Intermediate Algebra/ Trigonometry Class?

Evelin Perez-Flores
Prof. Janet Liou-Mark
MEDU 2901: Peer Leader Training in Mathematics

Cultivating Fine Dining Etiquette
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Shaun Pollard
Prof. Mi Ok Lime
MAT 1275: College Algebra and Trigonometry

The Future Accounting Graduate

Nacala Reid
Prof. Rachel Raskin
ACC 1201: Principles of Accounting II

Computer Applications of Calculus

Andre Rodroguez
Prof. Nan Li
MAT 1575: Calculus II

Internet Security

Musheer Saba
Prof. Hernando Blanco
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Bamboo as a Sustainable Water Treatment Technology

Elena Sandratskyy
Prof. Ivan Guzman
CMCE 2456: Soil Mechanics and Laboratory

Recurrence Relations and Computational Complexity

Mian Shabbir
Prof. Satyanand Singh
MAT 2440: Data Structures and Algorithms

RoboQueen Blynked

Rumana Hassin Syed
Prof. Farrukh Zia
CET 4811: Computer Controlled Systems Design II

Are there Gender Differences in Attitude Towards Mathematics in an Intermediate Algebra/ Trigonometry Class?

Shawn Telesford
Prof. Janet Liou-Mark
MEDU 2901: Peer Leader Training in Mathematics

Recurrence Relations and Computational Complexity

Anh Trieu
Prof. Satyanand Singh
MAT 2440: Data Structures and Algorithms

Breast Cancer

Qian Wang
Prof. Jeffrey Smith
RAD 2428: Clinical Education IV

Chinese Philosophy

Cecily Wu
Prof. Ken Yip
PHIL 2121: Chinese Philosophy

Developments, Techniques and Applications of Concrete

Yuying Xian
Prof. Charles Jenkins
ARCH 4740: Detailing and Construction Technologies for Existing Buildings

Predicting Stock Prices Using Stock Options

Xuebin Zou
Prof. Caner Koca
MAT 4788: Financial Risk Modeling

City Tech students placed 4th in SCUDEM 2018 Differential Equations and Math Modeling Competition at Columbia University
April 21, 2018

CUNY RESEARCH SCHOLARS

A Patient-Centric Electronic Medical Records (EMR) System

Eudelia Alderete
Prof. Marcos Pinto

Multi-Material Scaffold Printing

Ann Charles
Prof. Ozlem Yasar

Measurement of Airflows Through Entrance Doors

Lev Chesnov
Prof. Daeho Kang

Using AI to Develop Web Application

Courtney Choy
Prof. Marcos Pinto

Measurement of Airflows Through Entrance Doors

Demba Diop
Prof. Daeho Kang

Internet of Things (IoT): Raspberry PI

Lynese Edwards
Prof. Marcos Pinto

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Astrid Frank
Prof. Xin-Zhou Wei

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Harpreet Gaur
Prof. Viviana Acquaviva

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Jannat Hoque
Prof. Ohbong Kwon

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Kwokching Hui
Prof. Urmi Ghosh-Dastidar

Solar and Rain Catching Canopies

Afolabi Ibitoye
Prof. Alexander Aptekar

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Faith Kakshak
Prof. Anne Leonhardt

Implementation of an Assistive Technology Mobile Robot

Joycephine Li
Prof. Farrukh Zia

The Correlation Between Periodontal Disease and Kidney Disease

Zhengdao Li
Prof. Anty Lam

Continuous Tunable Terahertz Wave Generation Via a Novel CW Optical Beat Laser Source

Richard Lin
Prof. Muhammad Ali Ummy

Developing Lab Exercises Using a Super Mechatronics Trainer

Wen Jie Long
Prof. Muhammad Ali Ummy

Implementation of an Assistive Technology Mobile Robot

Jannatul Mahdi
Prof. Farrukh Zia

A Mobile Chatbot for Learning

Waseem Mohammed
Prof. Marcos Pinto

Advanced Composites for Structural and Biomedical Applications

Tin Oo
Prof. Akm Samsur Rahman

Scaffold Fabrication for Cell Viability Analysis

Brian Parra
Prof. Ozlem Yasar

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Brittny Roberts
Prof. Angran Xiao

Developing Lab Exercises Using a Super Mechatronics Trainer

Farid Rodriguez
Prof. Muhammad Ali Ummy

Advanced Composites for Structural and Biomedical Applications

Raul Rosario
Prof. Akm Samsur Rahman

Web Application: Choosing a Major

Scipio Sargeant
Prof. Marcos Pinto

Mechanical Characterizations of Nano-Particles Doped PDMS

Navjot Singh
Prof. Ozlem Yasar

Water, Race and Class

Jean-Hus Theodore
Prof. Aida Egues

Environmental Policy and Poor Families: Melting Snow, Rising Sea Levels, and Gentrification

Cheryl Thomas
Prof. Masato Nakamura

Forward Acting Grate: Data Analysis for Municipal Solid Waste Mixing

Brian Yellis
Prof. Masato Nakamura

Fiber Reinforced Concrete Bowling Ball – Design & Fabrication

Yuping Zhang
Prof. Navid Allahverdi

Solar and Rain Catching Canopies

Elena Zimareva
Prof. Alexander Aptekar

BEYA Conference in Washington, D.C.
February 10, 2018

EMERGING SCHOLARS

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Serifat Adebola
Profs. Diana Samaroo and Urmi Ghosh-Dastidar

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Nashrin Akter
Prof. Randolph Schutz

A Case Study of CAD/CAM Using a Custom Made CNC Router

Rafaela Alba
Prof. Angran Xiao

Differential Effect of High Fat Diet (HFD) in Male and Female Mice

Wisam Ali
Prof. Sanjoy Chakraborty

Predicting Breast Cancer Type (Benign or Malignant)

Ouri Alkada
Prof. Marcos Pinto

Study of the Interactions between Newly Synthesized Opioid Analgesics and Mu and Delta and Kappa Membrane Proteins

Abdullah Allaoa
Prof. Mai Zahran

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Rabia Arif
Prof. Farrukh Zia

Differential Effect of High Fat Diet (HFD) in Male and Female Mice

Ilhom Bakiyev
Prof. Sanjoy Chakraborty

The Urban Oasis

Evan Banks
Prof. Alexander Aptekar

Mechanical Properties of Lightweight Concrete

Juan Barraza
Prof. Navid Allahverdi

Measurement of Airflow Through Entrance Doors

Jelani Barro
Prof. Daeho Kang

Development of Kinetic Model of Epoxy Resin from Isothermal Differential Scanning Calorimetry Data

Rabea Begum
Prof. Diana Samaroo

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William Bennett
Prof. Jeremy Seto

Chronicling the Achievements and Activities of Honors Scholars at City Tech

Savannah Blodgett
Prof. Reneta Lansiquot

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Eduardo Bravo
Prof. Ivana Jovanovic

Differential Effect of High Fat Diet (HFD) in Male and Female Mice

Travis Caraballo
Prof. Sanjoy Chakraborty

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Ruobing Chen
Prof. Marcos Pinto

Controller Development for Miniature Unmanned Aerial Vehicles (UAVs)

Leonardo Chiang
Prof. Xiaohai Li

Using Big Data Analysis to Investigate Where it Pays to Attend College

Mukadder Cinar
Prof. Boyan Kostadinov

Advancing Library Research Techniques
March 15, 2018

Molecular Docking of an Iso-Bacteriochlorin Compound on the Surface of Two Proteins, Bovine and Human Serum Albumin

Dayana Cobos
Prof. Diana Samaroo

Combustion Chamber Research and Construction

Justin Colon
Prof. Masato Nakamura

Fabric Casting

Catherine Correa
Prof. Alexander Aptekar

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Haoxiang Cui
Prof. Daeho Kang

Designing Smart Applications Using Augmented Reality (AR)

Kimberly De La Santa
Prof. Marcos Pinto

Voice Controlled Door Lock

Tasha Deoroop
Prof. Farrukh Zia

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Marco Dwyer
Profs. Anne Leonhardt and Satyanand Singh

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Eleazer Espinosa Jr
Prof. Alyssa Adomaitis

Using Augmented Reality in Engineering Education

Juan Estrella
Prof. Benito Mendoza

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Juliano Everett
Prof. Oleg Berman

Drug Screening from a Library of Thousands of Compounds to Inhibit the Function of BACE1

Marcia Fontenelle
Prof. Mai Zahran

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Kayla Ford
Prof. Marcos Pinto

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David Friedman
Prof. Ashwin Satyanarayana

Exploring Work Flows from 3ds Max to Unity

Jean Pierre Gomez
Prof. Esteban Beita

Interaction of Ionophoric Polyphenols with Human Serum Albumin (HSA)

Miguel Gomez
Prof. Alberto Martinez

Modeling Potential BACE1 Inhibitors

Johnny Guevara
Profs. Mai Zahran and Alberto Martinez

Mechanical Characterization of Nano-particles Doped PDMS

Kerolos Hanna
Prof. Ozlem Yasar

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Prof. George Guida

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Aaron Hollingsworth-Harris
Prof. Reneta Lansiquot

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Kyaw Htun
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Qui Huang
Prof. Mai Zahran

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Zechariah Ilmot
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Zonia Iqbal
Prof. Katherine Gregory

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Muzahidul Islam
Prof. Masato Nakamura

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Ayesha Javed
Prof. Farrukh Zia

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Ann Jean
Profs. Monica Berger and Alexander Aptekar

Dr. Semmelweis and the Discovery of Handwashing

Shmuel Kamensky
Prof. Boyan Kostadinov

Sorting Algorithms Visualized

Hashim Kayani
Prof. Brad Isaacson

Optimization and Topology from Mathworld to Kangaroo Exploration for Architecture

Davit Khomasuridze
Prof. Anne Leonhardt

Wearable Vision System for Scene Understanding

Jane Lynnel Ladaban
Prof. Xiaohai Li

Circular Dichroism Profiles of Bovine and Human Serum Albumin and Calf-Thymus DNA

Dianna Landi
Prof. Diana Samaroo

A Study of Cultural Competence and Implicit Bias amongst Healthcare Students

Mary Lee
Prof. Zoya Vinokur

A Study of Cultural Competence and Implicit Bias amongst Healthcare Students

Vivian Liang
Prof. Zoya Vinokur

Remote Control Car

Jun Ming Liang
Prof. Zhou Zhang

Exploring the Essence of Contemporary Desserts to Reimagine and Create a Modern Dessert

Amy Lin
Prof. Robert Walljasper

Low Cost Drone for Medical Applications

Christian Lopez
Prof. Andy Lopez

Designing a Research Poster Presentation
April 12, 2018

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Sadia Mahzabin
Prof. Marcos Pinto

Development of Ceramic Matrix Composites

Calwayne Malcom
Prof. Akm Samsur Rahman

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Gabriela Martinez
Prof. Ting Chin

The Adoption of Vernacular Techniques by New York City to Decrease the Use of Mechanical Heating and Cooling

Mathyln Mckie
Prof. Jihun Kim

An Analysis of Factors Affecting Emotional Regulation and Vagal Tone in an Expressive Writing Paradigm

Kevin Mei
Prof. Jean Hillstrom

Probabilistic Models for Populations Dynamics

Claire Mirocha
Prof. Mariya Bessonov

IoT Enabled Wearable Technology

Estrella Moreira
Prof. Farrukh Zia

Servo Network Based Heteromorphism Robot

Gene Nadela
Prof. Xiaohai Li

Chronicling the Achievements and Activities of Honors Scholars at City Tech

Christopher Navarette
Prof. Renteta Lansiquot

C.H.E.S.S.

George Nwankwo
Prof. Viviana Acquaviva

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Olajide Odesanya
Prof. Andy Zhang

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Wolf Pamphile
Prof. Stephanie Boyle

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Hashir Qureshi
Prof. Boyan Kostadinov

Design of IoT Enabled Computer Controlled System

Syeda Nazia Rahman
Prof. Farrukh Zia

Intersecting Spheres and the Global Positioning System GPS

Evelyn Richardson
Prof. Anne Leonhardt

City Tech Talk and Roll Bot

Samiha Riham
Prof. Farrukh Zia

Computer Applications of Calculus

Andre Rodriguez
Prof. Nan Li

Crane Design Based on the Internet of Things

Jonathan Rodriguez
Prof. Zhou Zhang

A Tool to Filter Noisy Data Using Ensemble Model Averaging

Nadia Rodriguez
Prof. Ashwin Satyanarayana

Peer Leadership Program
Spring 2018

Recurrence Relations and Computational Complexity

Mian Shabbir
Prof. Satyanand Singh

A Network Analysis of Game of Thrones

Harmandeep Singh
Prof. Boyan Kostadinov

Home Automation IoT Device-Hardware Implementation

Arooba Sohail
Prof. Farrukh Zia

Controlling a Car with AI Voice Recognition

Jennifer Solomon
Prof. Farrukh Zia

RoboQueen Blynked

Rumana Hassin Syed
Prof. Farrukh Zia

A Study of Cultural Competence and Implicit Bias among Healthcare Students

Paulina Szymanska
Prof. Zoya Vinokur

Recurrence Relations and Computational Complexity

Anh Trieu
Prof. Satyanand Singh

Enhancing Learning about Electrical Circuits Components Using Augmented Reality Apps

Suleyman Turac
Prof. Benito Mendoza

An Augmented Reality App to Aid Learning about Ohm's Law

Wellington Verduga
Prof. Benito Mendoza

Synthesis of the Tetracyclic Framework of the Oxygenated Angucyclines

Xiaolan Wu
Prof. Tony Nicolas

Mapping Brooklyn Civic Center

Yuying Xian
Profs. Ting Chin and Jason Montgomery

Research Mixer
February 22, 2018

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Prof. Zoya Vinokur

Design and Manufacturing of a Polar 3D Printer

Jiamian Zhao
Prof. Angran Xiao

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NATIONAL SCIENCE FOUNDATION LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION (LSAMP) IN STEM

Program Coordinator: Mr. Andrew Wills

Cytokine Influence on Neurodevelopment

Serifat Adebola
Prof. Jeremy Seto

NATIONAL SCIENCE FOUNDATION RESEARCH EXPERIENCES FOR UNDERGRADUATES IN SATELLITE AND GROUND-BASED REMOTE SENSING AT NOAA-CREST: EXPANDED OPPORTUNITIES

(NSF REU Grant # AGS-1560050)
Profs. Reginald Blake and Janet Liou-Mark,
Ms. Laura Yuen-Lau

Assessment of Optical Properties Variation and Discrimination of Aerosol and Cloud with a Multiple-Wavelength Elastic-Raman Lidar in New York City

Anjeza Arapi

The New York Urban Hydro-meteorological Testbed (NY-uHMT): Data Processing and Visualization

Amarou Bah

Assessment of Lake Water Quality and Quantity Using Satellite Remote Sensing

Kameron Daniel

Using Multiple Metrics to Analyze Trends and Sensitivity of Climate Variability in New York City

Jiehao Huang

Assessing Spatiotemporal Variability in NO2 and O3 Along the Korean Peninsula Using Remote Sensing And Ground-Based Observations

Chi Yan Li

Normalized Difference Vegetation Index Satellite Information and Deforestation Influence on Global Food Security

Timothy Medina

Mean Streets: An Analysis on Street Level Pollution in New York City

Granville Parker

Using 311 Data as a Proxy for Weather Impacts

Xuebin Zou

NATIONAL SCIENCE FOUNDATION GP-EXTRA: RECRUITING AND RETAINING NON-GEOSCIENCE MINORITY STEM MAJORS FOR THE GEOSCIENCE WORKFORCE

(NSF IUSE GEO Grant #1540721)
Profs. Reginald Blake, Janet Liou-Mark,
Hamidreza Norouzi, Viviana Vladutescu,
Ms. Laura Yuen-Lau

Analysis of the World's Dying Lakes Land Surface Temperature Change

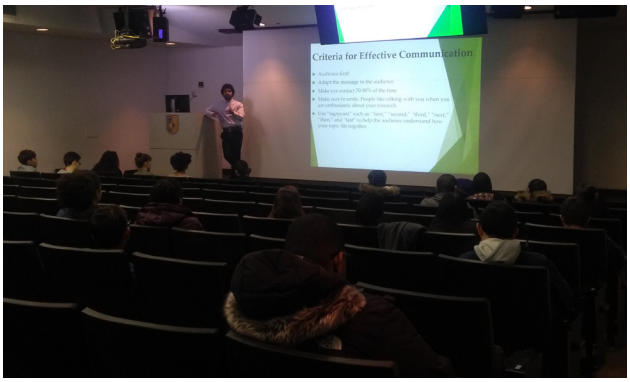
Rabea Begum
Prof. Hamidreza Norouzi

Analysis of Urban Surface Energy Balance Parameters Using a Combination of Flux Towers and Infrared Cameras

Sergio Carrillo
Prof. Reginald Blake

Traffic Cam Detection with Darknet

Abdoulaye Drabo
Prof. Derek Wilson



Developing and Delivering Effective Research Presentations
March 29, 2018

Analysis of the World's Dying Lakes Land Surface Temperature Change

Gabriel Martinez
Prof. Hamidreza Norouzi

Analysis of the World's Dying Lakes Land Surface Temperature Change

Gerald Pasco
Prof. Hamidreza Norouzi

Energy from Waste Can Help Curb Greenhouse Gas Emissions

Arman Sarowar
Prof. Masato Nakamura

Analysis of Urban Surface Energy Balance Parameters Using a Combination of Flux Towers and Infrared Cameras

Danielle Telemaque
Prof. Reginald Blake

Energy from Waste Can Help Curb Greenhouse Gas Emissions

Lok Ting Wong
Prof. Masato Nakamura

Traffic Cam Detection with Darknet

Kelvin Papa Yeboah
Prof. Derek Wilson

Analysis of Urban Surface Energy Balance Parameters Using a Combination of Flux Towers and Infrared Cameras

Jonathan Yee
Prof. Reginald Blake

PHYS 1002ID: An Introduction to the Physics of Natural Disasters

Prof. Reginald Blake

Volcanoes: Understanding the Destruction

Sergey Akilov, Candice Deo, Kristy Kim, Zhengdao Daniel Li, Wasif Prottoy, Silvana Vargas

Hurricanes: Beauty from Sky and Disaster on Land

Angel Delgado, Mohammed Forkan, Angel Husain, Zinaida Patrusheva, Kai Fong Sin

Volcanoes: The Inferno Beneath Us

Justin Brock, Romario Cupidore, Huang Huang, Benny Lui, Jorge Rivas

The Heart of Climate Change: Diseases

Eduardo Bravo, Christian Gover, Tahir Mahmood, Md Moniruzzaman, Mohammad Umair

Are NYC Subways Becoming NYC Floodways?

Jonathan Alicea, Sean Burkett, Destinee Guerra, Jonathan Pena

When Earth Quakes, What's at Stake? Earthquake Preparation and Response in Developed vs Developing Nations

Laurie Ceballos, Litian Liu, Yudheer Manandhar, Lokting Wong

How Earthquakes Affect the Way We Build Around the World

Ayman Abdulla, Aayush Madaan, Chia Hao Hsu, Jonathan Saldana, Henry Schiavone

In the Wake of a Storm

Jerry Camilien, BiQing Liu, Dominick Napoli, Edison Sanchez, Mohammed Uddin

Climate Change: Re-educate & Save Planet Earth

Jason Benjamin, Marko Cibic, Emir Cokelija, Jiaxin Huang, Emmanuel Quaicoe

Let the Water Flow

Khalil Anderson, Christopher Barros, Abraham Tam, Makini Valentine, Danny Zhou

NATIONAL INSTITUTES OF HEALTH: BRIDGES TO THE BACCALAUREATE PROGRAM

Associate Provost Pamela Brown,
Profs. Liana Tsenova, Nathan Astrof, Pa Her,
Jean Hillstrom, Janet Liou-Mark, Diana Samaroo,
Armando Solis, Tatiana Voza,
Ms. Cherishe Cumma

Effect of Raw Garlic and Aged Garlic on HEK293 Cells

Fatimah Ahmed
Prof. Ralph Alcendor

Using Morphology and DNA to Elucidate New Species of Distichopathes (Cnidaria: Anthozoa: Hexacorallia: Antipatharia) from the Flower Garden Banks National Marine Sanctuary (NW Gulf of Mexico)

Nadia Alomari
Prof. Mercer Brugler

Effect of Calcium Tetrahymena Thermophila

Laiba N. Choudhary
Prof. Ralph Alcendor

The Effects of Emotion Regulation Styles on Narrative Content in an Expressive Writing Paradigm

Jordan Jean Pierre
Prof. Jean Hillstrom

Effect of Glucose on Tetrahymena Thermophila

Sumaiyah Mahfooz
Prof. Ralph Alcendor

The Effects of Emotion Regulation Styles on Narrative Content in an Expressive Writing Paradigm

Christopher Persaud
Prof. Jean Hillstrom

Qualitative Analyses of Women's Experiences and Responses to Microaggression in Graduate School and Early Career Settings

Audrey Powell
Prof. Amanda Almond

Qualitative Analyses of Women's Experiences and Responses to Microaggression in Graduate School and Early Career Settings

Daisy Salas
Prof. Amanda Almond

Interaction of Ionophoric Polyphenols with Human Serum Albumin (HSA)

Sinji Shibutani
Prof. Alberto Martinez

Determination of the Species and Sex of Bird Visitors to the Canarsie Pier and Prospect Park in New York City Using DNA Extracted from Molted Feathers

Randy Valcourt
Prof. Olufemi Sodeinde

Circular Dichroism Profiles of Bovine and Human Serum Albumin and Calf-Thymus DNA

Malyka Valentine
Prof. Diana Samaroo

SPECIAL PROJECTS

HMGT: Culinary/Pastry Future Innovators

Prof. Robert Walljasper, CEC, CCE, CHE

Engaging Tomorrow's Leaders for the Hospitality Industry through Development and Exhibition of Creative Works

Michelle Chen, Marie Francois-Joseph, Amy Lin, Gabriela Mota, Maurilio Tendilla, Charles Tripoli, Kristen Tsui

ABSTRACT:

Active student participation in professional culinary pastry competition has the potential to increase students' confidence, earn them industry recognition while expanding their network, and enhance their academic studies. Mentoring is the essential component that engages students in connecting theories, techniques and concepts beyond the classroom. Through a guided process of experiential, reflective, and goal-oriented activities, students join in a dynamic, team effort. They compete in culinary pastry competitions sanctioned by The American Culinary Federation (ACF) — national professional organization of certified chefs. And their creative work is judged in publicforums by these Industry professionals who provide feedback for continuous improvement.

Culinary Pastry Innovators, ACF Competition
Spring 2018

CST 1100: Introduction to Computer Systems

CST 1101: Computer Programming and Problem-Solving

Profs. Andrea Allard and Tamrah Cunningham

ABSTRACT:

Through a video game development group project and a developer's blog discussing the process of problem solving used to create the game, this course will present students with an overall inner inspection of both the world of computing and game development. Student teams will use Python 3.6 (python.org), a free python interpreter tool, to design a 30-minute, choice-based text adventure game which will later be presented to the class via a playtest session. The course aims to teach students to work productively within a team, provide the foundation for other courses within the Computer Systems Technology department, and enhance the critical thinking skills necessary in an increasingly complex and technological world.

Planet X

Christina Gomez, Yoonju Hwang, Catherine Mendoza, Miaodan Xu

THEM

Kayla Brown, Isaac De Los Santos, Arvin Fernandez, Brian Santiago

It Follows Parody

Jesse Cazarez, Brian Lopez, Belinda Oppong, Xue Wu

Caribbean Money

Atemah Extavour, Evgeni Kurneev, Rayane Lyoubi, Wu Xu

The Greatest Heist

Enrique Bonilla and Adrian Echeverria

CMCE 2454: The Applied Hydraulics

Prof. Robin Sanchez

ABSTRACT:

The Applied Hydraulics course highlights the principles of water supply and sewerage collection and treatment, with an emphasis on NYC's water supply and wastewater treatment systems. For this class project, groups were asked to research and address the essential question: How can New York City's water infrastructure be improved?

NYC's Aging Water System & How It Can Be More Effective

Gustavo Barroso, Hadrien Jacobe de Naurois, Vincent Meli, Dapinderjit Singh

Gowanus Canal Remediation Plan

Evan Banks, Besnik Hasa, Elena Sandratskyy

NYC: Smart Use of Water in Daily Life

Ronaldo Carhuaricra, Shonquan Jones, Henry Moreno Alvarez, Elena Zimareva

The Control of Urban Stormwater Runoff in Brooklyn Through the Use of Green Infrastructure

Shubra Akter, Rares Ciocan, Saleh Kassim, Leslie Morris

Draining the Swamp: Restoring Water Quality in the Gowanus Canal

Mohsin Ali, Joniel Edwards, Anastasia Klyuchnikova, Yonathan Rosario Mena

Managing NYC Stormwater Overflow Affecting Combined Sewer Systems

Kayla Alexander, Marcin Dominik, Jameel Khan, Karla Pena

The Reduction of Unwanted Chemical Waste in Drinking Water

Harisahmed Brown, Yun Jiang, Stevens Merilan, Yuping Zhang

NOTES

THE 28TH SEMI-ANNUAL HONORS AND EMERGING SCHOLARS POSTER PRESENTATION

To all the dedicated professors for mentoring students. A heartfelt thank you for making this event a successful one.

SPECIAL THANKS TO

Dean Kevin Hom
Dean David Smith
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