

SEMI-ANNUAL

29TH

**THE HONORS
AND
UNDERGRADUATE
RESEARCH SCHOLARS
POSTER PRESENTATION**

WEDNESDAY, DECEMBER 5, 2018

11:00AM - 4:00PM
LIBRARY BUILDING GROUND
& FIRST FLOORS

THURSDAY, DECEMBER 6, 2018

10:00AM - 3:00PM
LIBRARY BUILDING GROUND
& FIRST FLOORS

AWARDS CEREMONY

BEGINS AT 12:30PM
LIBRARY BUILDING GROUND
AMPHITHEATER



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AWARDS CEREMONY

DECEMBER 6, 2018 · 12:55 PM
LIBRARY BUILDING AMPHITHEATER

Greetings

Russell K. Hotzler

President

Bonne August

Provost and Vice President
for Academic Affairs

Pamela Brown

Associate Provost

Recognition of Undergraduate Researchers

Honors Scholars

Reneta Lansiquot

CUNY Research Scholars

Reginald Blake

Emerging Scholars

Reginald Blake

Grant-Funded Projects

Jean Hillstrom

Special Projects

Jean Hillstrom

Best Poster Awards

Jean Hillstrom



Honors Scholars Orientation
September 13, 2018

CUNY Academic Works for Undergraduate Research

Monica Berger

Librarian

HONORS IN A REGULAR COURSE

Applications of Nanowires for Studying Neuronal Activity

Victor O. Adedara
Prof. Boris Gelman
PHYS 2607: Introduction to
Quantum Mechanics

Optical Absorption Due to Excitons in Phosphorene Double Layer

Victor O. Adedara
Prof. Oleg Berman
PHYS 1442: Physics II Calculus Based

Analyzing Protein Complexes Defining DNA Synthesis and Assembly in Patients with Nephrotic Syndrome

Victor O. Adedara
Prof. Keith Vosseller
BIO 3601: Biochemistry

Simulating Microgravity

Juan Carlos Aguilar Enriquez
Prof. Ariane Masuda
MAT 1375: Precalculus

Resilient Kalinago Initiative

Cellia Karina Ait-Ouaret
Prof. Illya Azaroff
ARCH 4710: Architectural Design VII:
Urban Design

Obesity a Pandemic: Study of High Fat Diet in Male Mice

Ralph Alteus
Prof. Sanjoy Chakraborty
MED 3910: Internship/Research
Biomedical Informatics

**Obesity a Pandemic:
Study of High Fat Diet in Male Mice**

Ilhom Bakiyev
Prof. Sanjoy Chakraborty
BIO 1201: Biology II

**Past vs Present Intellectual Functioning as a
Predictor of
Remote Memory Loss in Dementia**

Ilhom Bakiyev
Prof. Daniel Capruso
PSY 2403: Abnormal Psychology

When the Ground Shakes

Jelani Barro
Prof. Reginald Blake
PHYS 1002ID: Introduction to Physics of
Natural Disasters

**Past vs Present Intellectual Functioning as a
Predictor of
Remote Memory Loss in Dementia**

Christina Bhawanidin
Prof. Daniel Capruso
BIO 3302: Microbiology

**Johann Bernoulli's Brachistochrone Solution
Using Fermat's Principle of Least Time**

Adam Cancel
Prof. Andrea Ferrogliia
PHYS 1441: General Physics I



Research Mixer
September 20, 2018

Accuracy in Breast Cancer Diagnosis: A Difficult but Necessary Conversation

Sophie Chan

Profs. Anthony Devito and
Subhendra Sarkar

RAD 3527: Advanced Patient
Assessment-Pharmacology

Mathematical Modeling in the Air Quality Control

Michael Joseph De Filippo

Prof. Ariane Masuda

MAT 1375: Precalculus

Database to Front-End Implementation- 3 Tier Web Application

Asif Emon

Prof. Able Angel Rodriguez

CST 3604: Quality Data Implementation

Making Connections, Developing Learning Resources for Students in Dining Room Operations

Bannesa Espinal Cruz

Prof. Karen Goodlad

HMGT 2305: Dining Room Operations

Past Vs Present Intellectual Functioning as a Predictor of Remote Memory Loss in Dementia

Eliza Gonzalez

Prof. Daniel Capruso

BIO 3352: Bioinformatics II

Planned, Analyzed, Designed, Developed and Implemented the Back-End Database Tiered For a Client/Server Database Application- Using Oracle 11G

Tasneem Hossain

Prof. Able Angel Rodriguez

CST 3604: Quality Data Implementation

Automating Database by Powershell

Tasneem Hossain

Prof. Kevin Gravesande

CST 4714: Database Administration



New York City Department of Environmental Protection
Newtown Creek Treatment Plant Tour
September 28, 2018

**Use of Density Matrices to
Study Observations of the
U.S. House of Representatives**

Jessica Jean Joseph
Prof. Michael Levy
EMT 1150: Electrical Circuits

Talk and Roll Bot. Software Design

Jane Lynnel Ladaban
Prof. Farrukh Zia
CET 4811: Capstone Design Project

Convolution Reverb in an Auditorium

Tian Leng
Prof. Crystal Kim
ENT 3390: Sound in Multimedia

Rhetoric Writing in Speech

Tenzin Lhakyi
Prof. Sierra Ortega
COM 1330: Public Speaking

**The Representation of
Asian Americans in Hollywood**

Michelle Li
Prof. Juanita But
ENG 2250: Introduction to Asian American
Literature & Culture

**Contributing Factors for Loss of Accuracy in
MRI Diagnosis of Breast Cancer**

Lilliam Marquez
Prof. Subhendra Sarkar
RAD 4726: Advanced Imaging I

Studying Advance Curtain Wall Facades

Gabriela Martinez

Prof. Phillip Anzalone

ARCH 4830: Construction Technology:
Special Topics

Bread POPs Marketing

Aleann Mcintyre

Prof. John Akana

HMGT 2405: Hospitality Marketing

Bread Poppers

Aleann Mcintyre

Prof. Margaret Wong

HMGT 2304: Baking and Pastry Arts II

Obesity a Pandemic:

Study of High Fat Diet in Male Mice

Bushra Miah

Prof. Sanjoy Chakraborty

CHEM 1210: General Chemistry II

Effects of Electronic Interfaces

James Mitchell

Prof. Geoffrey Zylstra

HIS 3209: History of Technology

Obesity a Pandemic:

Study of High Fat Diet in Male Mice

Viktoriia Olshana

Prof. Sanjoy Chakraborty

CHEM 1110: General Chemistry I

Analysis of Chickenpox, Influenza and

Other Disease Instances Over Time

Parth Patel

Prof. Johann Thiel

MAT 2440: Data Structures and Algorithms

Race and Risk Communication

Naomi Paul

Prof. Amanda Almond

PSY 3405ID: Health Psychology

Catalyst in Today's World

Marcos Pichardo

Prof. Alberto Martinez

CHEM 3622: Inorganic Chemistry

Talk and Roll Bot

Syeda Nazia Rahman
Prof. Farrukh Zia
CET 4811: Capstone Design Project

Law and Modern Technology: Lack of Tech Knowledge in Legal Profession May Cause Injustice

Md Wahidur Rahman
Prof. Marissa Moran
LAW 4704: Legal Technology

Forensic Science: Complex Admissibility Standard for Scientific Evidence and Expert Witness's Testimony

Md Wahidur Rahman
Prof. Marissa Moran
LAW 4805: Forensic Science and the
Legal Process

American Minyan: The First Jewish Immigrants and Communities in Colonial America

Nikka Rosenstein
Prof. Geoff Zylstra
HIS 1110: US History to 1865

A “Puzzling” Solution to a Stacking of Cubes Problem

Mian Shabbir
Prof. Satyanand Singh
MAT 2540: Discrete Structures II

Use of Density Matrices to Study Observations of the U.S. Senate

Frederick Tetteh
Prof. Michael Levy
PHYS 1433: General Physics I:
Algebra Based

Resilient Kalinago Initiative

Yesenia Ward
Prof. Illya Azaroff
ARCH 4710: Architectural Design VII:
Urban Design

The Investigation of the French Curve

Cheriyah Wilmot
Prof. Jason Montgomery
ARCH 1231: Building Technology I

Studying Advance Curtain Wall Facades

Yuying Xian

Prof. Phillip Anzalone

ARCH 4830: Construction Technology:
Special Topics

Validation of a Lottery

Xiaona Zhou

Prof. Jonathan Natov

MAT 2572: Probability and
Mathematical Statistics I

Fractals: The Geometry of Matrix Operators

Xiaona Zhou

Prof. Samar Elhitti

MAT 2580: Introduction to Linear Algebra

CUNY RESEARCH SCHOLARS

The Plug: When Entertainment Connects

Adewale Adegbemigun
Prof. Crystal Kim

Semi Classical Motion of Quantum Particles in One Dimension

Carlos Aguayza
Prof. Boris Gelman

Study of Jansen Linkage for Robotic Applications

Rafaela Alba
Prof. Angran Xiao

Comparison of the Indoor Thermal Environment in a Lobby in Two Campus Buildings

Fuxin Bao
Prof. Daeho Kang

3D Printed Computer Circuits

Sultana Begum
Prof. Farrukh Zia

Comparison of the Indoor Thermal Environment in a Lobby in Two Campus Buildings

Adam Brzozowski
Prof. Daeho Kang

Impact of Sea Waves on the Coast of New York

Bill Chinskul
Prof. Gerarda Shields

Entertainment Connection

Angel de la Vega
Prof. Tamrah Cunningham

The ARENGED Project

Juan Estrella
Prof. Benito Mendoza

Mechanical Characterization of Nano-material Doped Polydimethylsiloxane (PDMS)

Deldrys Gomez Reynoso
Prof. Ozlem Yasar

Entertainment Connection

Conny Gordon
Prof. Tamrah Cunningham

A Neural Network to Predict Stock Price

Tsering Gurung
Prof. Marcos Pinto

High Power Laser

Xinyi He
Prof. Viviana Vladutescu

Pitch Labelling of Corpus of Guitar Sounds For Training a Neural Net Pitch Classifier

Arash Izadi
Prof. Adam Wilson

Gut Microbiome Analysis

Daniella Labarbera
Prof. Jeremy Seto

Degradation Rate Calculations of PEGDA

Mitchell Landero
Prof. Ozlem Yasar



RoboQueen 3D

Jensy Maldonado
Prof. Farrukh Zia

Advanced Composites for Structural and Biomedical Applications

Saminur Miah
Prof. Samsur Rahman

Environmental and Energy Sustainable City (EESC)

Patrice Prosper
Prof. Masato Nakamura

Smart Sprinkler System

Galib Rahman
Prof. Xiaohai Li

Profession and Oral Health

Jeraine Robinson
Prof. Lois Dreyer

Comparison of the Indoor Thermal Environment in a Lobby in Two Campus Buildings

Raymond Sandoval
Prof. Daeho Kang

A Novel Hybrid Passive Single Mode Fiber Based VOA/VOC System

Andrei Statchevschi
Prof. Muhammad Ummy

Design and Fabrication of UV Light Holder for Photolithography

Szewai Michael Tang
Prof. Ozlem Yasar

Ways to Conserve More Energy

Thalyia Thompson
Prof. Masato Nakamura

Building Occupancy and Environment Monitoring System

Syeda Tonni
Prof. Farrukh Zia

Entertainment Connection

Edsel Torres
Prof. Tamrah Cunningham

High Power Laser

Yicheng Wang
Prof. Viviana Vladutescu

Remote Control Car

Fox Williams
Prof. Andy Zhang

The Urban Oasis: Parklets and Solar/Rain Canopies

Cheriyah Wilmot
Prof. Alexander Aptekar



Cultivating Fine Dining Etiquette
October 17, 2018

EMERGING SCHOLARS

Optical Absorption Due to Excitons in Phosphorene Double Layer

Victor Adedara
Prof. Oleg Berman

Assessing Participants' Feedback to Dental Screening Provided by New York City College Of Technology's Dental Hygiene Students

Nazrin Akbarova
Prof. Susan Davide

Track Search: An AI System that Helps New Students Choose a Track Within it

Ouri Alkada
Prof. Marcos Pinto

Synthesis and Three-Dimensional in Silico Study of Newly Synthesized σ_1 Receptor Ligands Based on a 2, 6-dioxopiperazine Scaffolds

Abdullah Allaoa
Prof. Mai Zahran

Obesity a Pandemic: Study of High Fat Diet in Male Mice

Ralph Alteus
Prof. Sanjoy Chakraborty

Predicting Demand of NYC Taxis Using Machine Learning Methods

Tasnuba Anika
Prof. Marcos Pinto

Design and Application of Internal Hardware Circuits of a Micro-Controller

Rabia Arif
Prof. Farrukh Zia

**Past and Present Intellectual Functioning as
The Prediction of
Remote Memory Loss in Dementia**

Ilhom Bakiyev
Prof. Sanjoy Chakraborty

**Measurement of Airflow through
Entrance Doors**

Jelani Barro
Prof. Daeho Kang

**Past vs Present Intellectual Functioning as a
Predictor of
Remote Memory Loss in Dementia**

Christina Bhawanidin
Prof. Daniel Capruso

Wonder Woman Warbringer

Julie Bradford
Prof. Sara Woolley

**The Role of PPD in
Diagnostics of Tuberculosis**

Stephanie Cabrera
Prof. Liana Tsenova

Housing Affordability

Krystel Campuzano
Prof. Barbara Mishara

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

Travis Caraballo
Prof. Sanoy Chakraborty

**Studying Global Lakes Water and the
Surrounding Land Surface Temperature
Trends Using Satellite Observations**

Ronaldo Carhuaricra
Prof. Hamidreza Norouzi

**Studying Global Lakes Water and the
Surrounding Land Surface Temperature
Trends Using Satellite Observations**

Sergio Carrillo
Prof. Hamidreza Norouzi

**Controller Development for
Miniature Unmanned Aerial Vehicles**

Leonardo Chiang
Prof. Xiaohai Li

Mathematical Modeling in the Air Quality Control

Michael De Filippo
Prof. Ariane Masuda

A Quantum Leap: The Mathematics of Quantum Mechanics

Ana Delgado
Prof. Satyanand Singh

Canine Phenotypic Identification Derived From Cleavage Amplification Product

Romario Denoon
Prof. Jeremy Seto

Research on Optimization of Faculty Office Hours

Babacar Dieng
Prof. Pamela Brown

Measurement of Airflow through Entrance Doors

Demba Diop
Prof. Daeho Kang

The Ambivalence of Princessa

Princessa Dominique
Prof. Eric Rodriguez

Examining the Effect of Oxidative Stress on Tetrahymena Thermophila Sirtuin Member, THERM_00194149

Emmanuel Dubuisson
Prof. Ralph Alcendor



**Making Connections,
Developing Learning Resources for
Students in Dining Room Operation**

Bannesa Espinal Cruz
Prof. Karen Goodlad

**Computational Techniques for
Scattering Amplitudes**

Juliano Everett
Profs. Giovanni Ossola and
Ray D. Sameshima

**Cultural and Social Responses in
Egypt and Israel to the 67 War**

Daniel Fanning
Prof. Stephanie Boyle

**Developing GUI for FIND: A Tool to Filter
Noisy Data Using Ensemble Model Averaging**

Kayla Ford
Prof. Ashwin Satyanarayana

**Advanced Composites for Structural and
Biomedical Application**

Astrid Frank
Prof. Samsur Rahman

**Research on Optimization of
Faculty Office Hours**

Edgar Gomez
Prof. Pamela Brown

Housing Affordability

Wenderlin Gomez



National Society for Collegiate Scholars
Induction Ceremony
October 18, 2018

Prof. Barbara Mishara
Housing Affordability

Abraham Gonzalez
Prof. Barbara Mishara

**Past vs Present Intellectual Functioning as a
Predictor of
Remote Memory Loss in Dementia**

Eliza Gonzalez
Prof. Daniel Capruso

**Design and Manufacturing of an
Automatic Trash Can**

Kerolos Hanna
Prof. Angran Xiao

**A Novel Approach to Exploring
Host-Microbe Interactions in Atherosclerosis**

Jabreal Hasan
Prof. Nilofar Haque

**Double Blind Microphone Pre-amplifier
Listening Test**

Bailin He
Prof. John Huntington

**Implementation of Sensor Hardware and
Software in an Assistive Technology Robot**

Jannat Hoque
Prof. Farrukh Zia

**Solar and Rain Catching Canopy
(Urban Oasis)**

Afolabi Ibitoye
Prof. Alexander Aptekar

Microbial Profiling of Atherosclerotic

Sumaiya Jannat
Prof. Nilofar Haque

IOT Home Security

Ayesha Javed
Prof. Farrukh Zia

Financial Modeling Using Statistical Data

Yelena Kagan-Adamo
Prof. Ossama Elhadary

Sorting Algorithms Visualized

Hashim Kayani
Prof. Brad Isaacson

Urban Oasis (Solar & Rain Catching Canopy)

Grzegorz Kosieradzki
Prof. Alexander Aptekar

Talk and Roll Bot: Software Design

Jane Lynnel Ladaban
Prof. Farrukh Zia

Protein Interaction with Porphyrins and Chlorines using UV-vis Spectra and CD spectra

Dianna Landi
Prof. Diana Samaroo

Convolution Reverb

Tian Leng
Prof. Crystal Kim

Hardware Implementation of an Assistive Technology Mobile Robot

Joycephine Li
Prof. Farrukh Zia

Eco Composter: Waste to Energy

Xiao Lin
Prof. Masato Nakamura

Cell Survival and Longevity Factors

Christopher Magloire
Prof. Ralph Alcendor

Software Implementation of an Assistive Technology Robot

Jannatul Mahdi
Prof. Farrukh Zia

Predicting House Prices with the Use of Machine Learning Methods

Tokhirjon Malikov
Prof. Marcos Pinto

Studying Advance Curtain Wall Facades

Gabriela Martinez
Prof. Phillip Anzalone

Obesity a Pandemic: Study of High Fat Diet in Male Mice

Bushra Miah
Prof. Sanjoy Chakraborty



Sims Municipal Recycling Facility
November 2, 2018

Analysis of Population Dynamics with R

Afsana Mimi
Prof. Maria Bessonov

A Mobile Game Application with Motion Event

Waseem Mohammed
Prof. Marcos Pinto

Design of High-rise Building

Michael Mondragon
Prof. Navid Allahverdi

Exploring Student Persistence in Mathematical Problem Solving

Joel Morales
Prof. Nadia Kennedy

Chronicling the Achievements and Activities of Honors Scholars at City Tech

Christopher Navarette
Prof. Reneta Lansiquot

The Role of Sirtuins in *T. Thermophila*

Jordan Newland
Prof. Ralph Alcendor

Racial Identity and Health

Trianna Nunes
Prof. Amanda Almond

Obesity a Pandemic: Study of High Fat Diet in Male Mice

Viktoriiia Olshana
Prof. Sanjoy Chakraborty

Perovskite Solar Cells

Bryan Ortiz
Prof. Masato Nakamura

Interaction of Multi-target Compounds with Human Serum Albumin

Gabriel Ortiz
Prof. Alberto Martinez

Talk and Roll Bot: Hardware Design

Syeda Nazia Rahman
Prof. Farrukh Zia

Sequence of Visual Attention to Child Injury in Psychiatric Patients

Desiree Raymond
Prof. Daniel Capruso

Talk and Roll Bot: Speech Synthesis and Recognition

Samiha Riham
Prof. Farrukh Zia

Research on Optimization of Faculty Office Hours

Andre Rodriguez
Prof. Pamela Brown

The Language of Cyberpunk: How Computers Are Talked About in Science Fiction, 1975-1995

Jessica Roman
Prof. Jason Ellis



Research Poster Design Workshop
November 8, 2018

Sequence of Visual Attention to Child Injury in Psychiatric Patients

Sade Romeo
Prof. Daniel Capruso

Assessing Participants' Feedback to Dental Screening Provided by New York City College Of Technology's Dental Hygiene Students

Dirien Santos
Prof. Susan Davide

A "Puzzling" Solution to a Stacking of Cubes Problem

Mian Shabbir
Prof. Satyanand Singh

Climate Change and Sustainable Energy

Navjot Singh
Prof. Masato Nakamura

Creating a mobile Digital Stop Watch

Naome Singh
Prof. Marcos Pinto

Design and Build a Custom 3D Printer Using Open Source Components

Jennifer Solomon
Prof. Farrukh Zia

Examining Peer-leader's Growth during a Semester of Peer Leading Sessions

Yasmine Soofi
Prof. Nadia Kennedy

Urban Oasis (Solar & Rain Catching Canopy)

Kaiyrgul Sultanova
Prof. Alexander Aptekar

Mechanical Characterization of Nano-material Doped Polydimethylsiloxane (PDMS)

Joyce Tam
Prof. Ozlem Yasar

Assessing Participants' Feedback to Dental Screening Provided by New York City College Of Technology's Dental Hygiene Students

Roseanna Torres
Prof. Susan Davide

Bacteria Findings and Functions

Patrick Traore
Prof. Nilofar Haque

ArEnged Project

Suleyman Turac
Prof. Benito Mendoza

Design and Fabrication of Miniature Swarm Robots

Mellissa Valle
Prof. Farrukh Zia

Synthesis of the Tetracyclic Framework of the Oxygenated Angucyclines

Xiaolan Wu
Prof. Tony Nicolas

Advance Facade

Yuying Xian
Prof. Phillip Anzalone



Designing a Research Poster Presentation
November 12, 2018

GRANT- FUNDED PROJECTS

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, and Ms. Laura Yuen-Lau

Big Data & Data Visualization

Adrian Barros

Impact of Climate on Food Security in India

Thierno Barry

Spatio-temporal Variability in New York City's Soil Characteristics

Fatimata Dia

The Dionysus Project: Classifying and Monitoring Vineyards with Satellite Remote Sensing and Image Analysis

Nicole Flores

Downscaling Building Energy Demands to Single Building

Juan Garcia

Analysis of Urban Surface Temperature Using Satellite Remote Sensing and Ground-Based Applications

Justine Ginchereau

Investigation of Location Error in Satellite Precipitation Estimates Using a Radar-Gauge Product

Edgar Gomez

**Floods, Risks and the Whole “Dam” Thing:
Flood Estimation**

Mohamed Layachi

**Extreme Climatic Disasters and its Impacts on
The World’s Food Systems**

Benjamin Pascal

**The Dionysus Project:
Classifying and Monitoring Vineyards with
Satellite Remote Sensing and Image Analysis**

Evelin Perez-Flores

**Observation of Aerosols and Characterizing
Planetary Boundary Layer Using
Sun Photometers, Ceilometers, and LIDAR’s**

Akash Persaud

Impact of Climate on Food Security

Sharib A Rizvi

**Investigation of Location Error in
Satellite Precipitation Estimates
Using a Radar-Gauge Product**

Andre Rodriguez

**Ozone as a Health Hazard and
How it can be Reduced**

Shawn Telesford

**Analysis of Surface Temperature Trends of
World’s Major Lakes and their Relationship
With Landcover Changes**

Cho May Than

**Analysis of Urban Surface Temperature
Using Satellite Remote Sensing and
Ground-Based applications**

Makini Valentine

**Analysis of Snowmelt over Mountain Glaciers
In High Mountain Asia
Using Satellite Remote Sensing**

Khaing Hsu Wai

**NATIONAL SCIENCE FOUNDATION GP-EXTRA:
EXPANDING AN INNOVATIVE PATHWAY TO
REPLENISH THE GEOSCIENCE WORKFORCE
WITH UNDERREPRESENTED MINORITY
NON-GEOSCIENCE STEM MAJORS**

Grant ICER 1801563

Profs. Reginald Blake, Janet Liou-Mark,
Hamidreza Norouzi, Dereck Skeete, and
Ms. Laura Yuen-Lau

**PHYS 1002ID-D606: An Introduction to the
Physics of Natural Disasters**

Prof. Reginald Blake

Brakes on the Quakes

Jonathan Chea, Terence Cox, Lev Gurvits,
Galib Rahman, Pedro Torres

Climactic Ending: Is it too Late?

Lawrence Michel, Jaime Mosquera, Patrice
Prosper, Leonardo Ram, Abel Urgiles

Hurricanes and its Blustery Effects

Karran Hiralal, Xiao Lin, Monil Pandya,
Carlos Villalva, Xiaocheny Wang

The Physics of Flooding

Ronaldo Carhuaricra, Jose Guerrero,
Yun Jicing, Mingcheny Lin,
Mohammad Raihan

Volcanic Behaviors: Chaos in the Caldera

Alfolabi Ibitoye, Timothy Medina,
Jonathan Ornis, Peishan Tan

**PHYS 1002ID-E400: An Introduction to the
Physics of Natural Disasters**

Prof. Reginald Blake

Eye of the Storm

Sean Denice, Zhiwei Lin, Andrew Singh,
Cheng Wang, Mandel Yu

Nature's Pressure Cooker

Jean Beaubrun, Kreshnik Limoni,
Hanss Neira, Wei Yan, Jeremy Zayas

The Catastrophe of Climate Change

Aby Benny, Dung Mai,
Dieudonne Nduhira, Jimmol Singh

The Flooding

Diego Curatolo, Jannatul Mohima,
Sajib Salam, Sayad Shaon, Fanzhong Zeng

When the Ground Shakes

Jelani Barro, Alexey Kononenko,
Jenny Mero, Janatan Randeem, Jian Yu

NATIONAL INSTITUTES OF HEALTH: BRIDGES TO THE BACCALAUREATE PROGRAM

Associate Provost Pamela Brown
Profs. Amanda Almond, Pa Her,
Jean Hillstrom, Janet Liou-Mark,
Diana Samaroo, Armando Solis, and
Ms. Cherishe Cumma

Comparative Analysis of Fecal Microbes in Turtles

Luci Devoy
Prof. Jeremy Seto

Barcoding and Sequencing of DNA Extracted From the Scales of Phataginus Tricuspidis from Nigerian Locations

Samantha Lee
Prof. Olufemi Sodeinde

Barcoding and Sequencing of DNA Extracted From the Pyrgomorphid Grasshopper, Zonocerus Variegatus

Lisbeth Peralta
Prof. Olufemi Sodeinde

Exercise, Smoking, and Weight Maintenance: Exploring and Confirming Factoral Structure Of Decisional Balance Measures on Diverse Samples

Karina Castillo, Mariam Kamara,
Willnely Scroggins
Prof. Amanda Almond

Examining the Effects of Oxidative Stress on Tetrahymena Calpains

Diana Benitez, Kalei Graham Crowther,
Leah Pierre-Louis
Prof. Ralph Alcendor

SPECIAL PROJECTS

Geometry Expresses its Designs in Art and Architecture

Evelyn Richardson
Profs. Anne Leonhardt and
Satyanand Singh

ABSTRACT:

We will explore geometric influences on the design, art and architecture in the development our world. We will show how the forces of geometry interweaves in art and architecture as it dictates the shape and beliefs that cement our civilization.



Advancing Library Research Techniques
October 11, 2018

CMCE 2454: The Applied Hydraulics

Prof. Robin Sanchez

ABSTRACT:

CMCE 2454: 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?

Catch Me If You Can

Premnath Alfred, Baba Faal,
Dhaval Limbachiya, Frederick Ramos

FOG Clogs the Budget Sink

Jevgenijs Baltacs, Luis Galvez,
Miguel Monje, Asad Sajid

Stormwater on the Belt

Maria Becerra, Bogdan Gechka,
Haseeb Muzaffar, Youssef Salmaoui

Jamaica Bay

Antonio Corchado, Marie Germain,
Faiza Naz, Jonatan Sarmiento

The Delaware Aqueduct

Paul Dela Rosa, Nicodeme Joseph,
Veronica Ponce, Mersudin Velovic

Improving Roadway Drainage in NYC

Oluwatobi Akinlosotu, Florim Dzemaili,
Matthew Knutsen, Yasiri Quezada

Restoring the Gowanus Canal

Akinsanya DeFreitas, Franklin Guaman,
Angelo Piedra, Brenthal Thomas

Culinary/Pastry Future Innovators – Engaging Tomorrow’s Leaders of the Hospitality Industry Through Development And Exhibition of Creative Works

Michelle Chen, Amber Furey-Lessen,
Aquille Pierre, David Rivera,
Charles Tripoli, Kristen Tsui

Culinary Pastry Innovators (CPI Fall 2018)

Prof. Robert Walljasper, CEC, CCE, CHE

Department of Hospitality Management

ABSTRACT:

The linking of theories, techniques and concepts taught within our education space to post graduate work and lives can be a challenge. Experiential and goal-oriented student learning can greatly boost connections between classroom knowledge, professional growth, and creativity. Mentoring with tiered levels can increase student engagement, improve creativity, and test critical thinking skills through culinary/pastry competition sanctioned by national professional organization (American Culinary Federation). Weekly communications and practices generate variety of assessment opportunities as progress is made towards the final exhibition of their creative works in public. The incorporation of mentor and peer feedback enables further enquiry by students and development of action plans for advancement. Industry experts and certified judges adjudicate these gastronomic creations and the pieces are displayed to peers. Active participation in professional culinary/pastry competition by students has the potential to increase their confidence, earn industry recognition, accolades, expand student’s network, and enhance academic studies.

**THE 29TH 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

Ms. Fabliha Afia
Mr. Abdou Bah
Dean Kevin Hom
Prof. Julia Jordan
Dr. Janet Liou-Mark
Dr. Hamidreza Norouzi
Dean David Smith
Mr. Lubosh Stepanek
Mr. David Turkiew
Dean Justin Vazquez-Poritz
Ms. Laura Yuen-Lau

**A SPECIAL THANK YOU
TO THE DEDICATED POSTER JUDGES**

Lubie Alatraste
Ralph R. Alcendor
Monica Berger
Karen Bonsignore
Susan H. Davide
Ossama Elhadary
Urmi Ghosh-Dastidar
Katherine Ann Gregory
Nadia Kennedy
Jihun Kim
Paul C. King
Alberto Martinez
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