

SEMI ANNUAL



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

WEDNESDAY, DECEMBER 6, 2017

11:00 AM – 4:00 PM

ATRIUM GROUND & FIRST FLOORS

THURSDAY, DECEMBER 7, 2017

10:00 AM – 3:00 PM

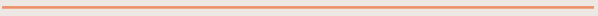
ATRIUM GROUND & FIRST FLOORS

AWARDS CEREMONY

BEGINS AT 12:30PM

ATRIUM AMPHITHEATER

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SPECIAL PROJECTS

AWARDS CEREMONY

DECEMBER 7, 2017 – 12:55 PM
ATRIUM 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

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

BEST POSTER AWARDS

Reneta Lansiquot



Honors Scholars Orientation
September 7, 2017

HONORS IN A REGULAR COURSE

Study of the Interaction of Glycosylated Protein with Serum Albumin Proteins

Serifat Adebola

Prof. Mai Zahran

BIO 3356: Molecular Modeling in Biology

Electronic Health Records and Their Effect on Public Safety

Victor Adedara

Prof. Nicholas Stefanopoulos

MED 4229: Healthcare Databases

Running Times: Comparing Steps and Memory Usage of Sorting Algorithms

Ivaylo Aleksiev

Prof. Jonathan Natov

MAT 2440: Data Structure and Algorithms

Effects of Airflow Through Main Entrance Door Ways on the Indoor Thermal Environment in Two Buildings

Jelani Barro

Prof. Daeho Kang

ENVC 2340: Air Conditioning Systems Design

How Does Child Abuse Affects Children?

Aseel Bazrouk

Prof. David Steinman

PSY 2301: Child Psychology

An Application of Machine Learning Algorithms to Cancer Data

Mukadder Cinar

Prof. Johann Thiel

MAT 3770: Mathematical Modeling I

Transformation of the Lighting Console

Iris Douka

Prof. Sara Watson

ENT 1250: Lighting Technology



New York City Department of Environmental Protection
Newtown Creek Treatment Plant Tour
September 28, 2017

Clinical Nursing Practice and Oral-Systemic Health

Bora Durrsi
Prof. Aida Egues
NUR 4010: Community Health

Web Speech API: An Interesting Conversation with Your Browser

Reem Flifel
Prof. Marcos Pinto
CST 3519: XML Data Representation

Protein Folding Using a Reduced Alphabet

Qui Huang
Prof. Mai Zahran
BIO 3356: Molecular Modeling in Biology

Solving Birthday Problem with Different Variations and Approaches

Kwok Ching Hui
Prof. Holly Carley
MAT 2572: Probability and
Mathematical Statistics I

Cloud Computing

Mahdia Jebin
Prof. Janusz Kusyk
CST 2307: Networking Fundamentals

Clinical Nursing Practice and Oral-Systemic Health

Amy Tsz Kwok
Prof. Aida Egues
NUR 4010: Community Health

Hardware Implementation of an Assistive Technology Mobile Robot

Joycephine Li

Prof. Farrukh Zia

EMT 2320: Advanced Mechanisms

Sustainable Textiles Through Innovative Technologies

Eliel Morales

Prof. Denise Sutton

BUF 1101: Introduction to the Fashion Industry

IoT Connected Wearable Technology

Estrella Moreira

Prof. Farrukh Zia

CET 4711: Computer Controlled System Design I

Developing a Learning Management System for Higher Education in Afghanistan

Christopher Navarret

Prof. Reneta Lansiquot

ENG 3780: Planning and Testing User Documents

The Current Use of Telemedicine to Improve Access to Care

Juancarlos Ospino

Prof. Heidi J. Boisvert

ENT 4499: Culmination Project

Research the Microcomputer Control of Stepper Motors

Areebur Rahman

Prof. Edward Morton

EMT 2320: Advanced Mechanisms



Cultivating Fine Dining Etiquette
Prof. Karen Goodlad
October 18, 2017

**A Comparison of Service Delivery for
Developmental Disabilities:
Moldova vs. United States**

Jawad Rashid
Prof. Justine Pawlukewicz
IS 9010: Independent Study

**Climate Change Refugees:
Power, Politics and Society**

Alexandra Sarria
Prof. Diana Mincyte
SOC 3302ID: Environmental Sociology

Conjugate Gradient Method Analysis

Farjana Shati
Prof. Ezra Halleck
MAT 2630: Numerical Methods Math Core

IoT Enabled Wearable Technology

Rumana Hassin Syed
Prof. Farrukh Zia
CET 4711: Computer Controlled System Design I

CUNY RESEARCH SCHOLARS

A Patient-Centric Electronic Medical Records (EMR) System

Eudelia Alderete
Prof. Marcos Pinto

A Study of Wireless Sensor Network for Smart Building

Elana Anavian
Prof. Xin-Zhou Wei

Exploring the Gender Effects of a Mathematics Preparatory Workshop on Student Learning

Guichang Chen
Prof. Janet Liou-Mark

Measurement of Airflows Through Entrance Doors

Lev Chesnov
Prof. Daeho Kang

Using AI in Developing Web Sites and Applications

Courtney Choy
Prof. Marcos Pinto



Measurement of Airflows Through Entrance Doors

Demba Diop
Prof. Daeho Kang

Internet of Things (IoT): Into the Jetsons Era

Lynese Edwards
Prof. Marcos Pinto

A Study of Wireless Sensor Network for Smart Building

Astrid Frank
Prof. Xin-Zhou Wei

Computerized Homework Education SyStem (C.H.E.S.S.)

Harpreet Gaur
Prof. Viviana Acquaviva

Navigation System for a Mobil Robot

Jannat Hoque
Prof. Ohbong Kwon

Study and Analysis of Communicable and Non-Communicable Diseases

Kwokching Hui
Prof. Urmi Gosh-Dastidar

Solar and Rain Canopies for a Greener Planet

Afolabi Ibitoye
Prof. Alexander Aptekar

Algorithms and Architecture: The Impact of Emerging Digital Media on Design

Faith Kakshak
Prof. Anne Leonhardt
Profs. Anne Leonhardt & Satyanand Singh

Drug Delivery Tests for the PDMS Based Scaffolds

Raidan Kassem
Prof. Ozlem Yasar

Fluoride in Dental Products: Over the Counter Versus Prescription

Zhengdao Li
Prof. Anty Lam

Hardware Implementation of an Assisted Technology Mobile Robot

Joycephine Li
Prof. Farrukh Zia

**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

**Software Implementation of an
Assistive Technology Mobile Robot**

Jannatul Mahdi

Prof. Farrukh Zia

A Mobile Chatbot for Learning

Waseem Mohammed

Prof. Marcos Pinto

**Structural Composites for
High-Temperature Applications**

Tin Oo

Prof. Akm Rahman

Scaffold Fabrication for Cell Viability Analysis

Brian Parra

Prof. Ozlem Yasar

**Design and Fabrication of
UV Light Holder for Photolithography**

Quadel Phillips

Prof. Ozlem Yasar

**Assessment of Learning Strategies for
Computer Programming Pedagogy**

Shaun Pollard

Prof. Douglas Moody

**Design and Manufacturing a
4 Degree of Freedom Robot Arm**

Brittney Roberts

Prof. Angran Xiao

**Developing Lab Exercises Using a
Super Mechatronics Trainer**

Farid Rodriguez

Prof. Muhammad Ali Ummy

Web Application: Choosing a Major

Scipio Sargeant

Prof. Marcos Pinto

Design and Fabrication of UV Light Holder for Photolithography

Navjot Singh
Prof. Ozlem Yasar

The Connection Between Environmental Toxicology And Water Quality on Poor Communities

Jean-Hus Theodore
Prof. Aida Euges

Environmental Policy and the Law

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 and Fabrication

Yuping Zhang
Prof. Navid Allahverdi

Solar and Rain Catching Canopies for a Greener New York

Elena Zimareva
Prof. Alexander Aptekar



New York Transit Museum
November 10, 2017

EMERGING SCHOLARS

Ramsey Numbers

Baikuntha Acharya
Prof. Satyanand Singh

The Role of Sirtuins in T. Thermophila

Emmanuel Adebola
Prof. Ralph Alcendor

Scroll Triggered Animations: A Walk through the Computer Systems Department

Ivaylo Aleksiev
Prof. Marcos Pinto

Chatbot: A Virtual Assistant

Ouri Alkada
Prof. Marcos Pinto

Study of the Interactions between Newly Synthesized Opioid Analgesics with Mu, Delta and Kappa GPCR Opioid Receptors

Abdullah Allaoa
Prof. Mai Zahran

Solar and Rain Catching Canopies for a Greener New York

Evan Banks
Prof. Alexander Aptekar

Measurement of Airflows Through Entrance Doors

Jelani Barro
Prof. Daeho Kang

Ticked Off at City Tech

William Bennett
Prof. Jeremy Seto

Zika Virus Regulations in the State of California

Christian Bermeo
Prof. Noemi Rodriguez

Chronicling the Achievements and Activities of Honors Scholars at City Tech

Savannah Blodgett
Prof. Reneta Lansiquot

Combustion Chamber

Giovanni Campos
Prof. Masato Nakamura

Interactions of Multi-Target Compounds with BACE1

David Carvajal
Prof. Mai Zahran

Design and Manufacturing of a CNC Router

Jesus Castellanos
Prof. Angran Xiao

Noise Filtering in Big Data

Jan Way Chen
Prof. Ashwin Satyanarayana

An Application of Machine Learning Algorithms to Track Cancer Data

Mukadder Cinar
Prof. Johann Thiel

Solar and Rain Catching Canopies for a Greener New York

Langston Clarck
Prof. Alexander Aptekar

Forward Acting Grate Construction and Research Environmental and Energy Simulation Laboratory

Justin Colon
Prof. Masato Nakamura

Analysis and Visualization of Historical Biological Phenomena

Billy Corporan
Prof. Jeremy Seto

Measurement of Airflows Through Entrance Doors

Haoxiang Cui
Prof. Daeho Kang

Chronicling the Achievements and Activities of Honors Scholars at City Tech

Cherishe Cumma
Prof. Reneta Lansiquot



Advancing Library Research Techniques
Profs. Anne Leonard and Monica Berger
October 12, 2017

Designing Smart Web Pages Using AngularJS

Kimberly De La Santa
Prof. Marcos Pinto

To Compare Human Calpains in Tetrahymena Thermophila Using MSA

Princessa Dominique
Prof. Ralph Alcendor

Clinical Nursing Practice and Oral-Systemic Health

Bora Durrsi
Prof. Aida Egues

Topology and Optimization in Design and Fabrication

Marco Dwyer
Profs. Anne Leonhardt & Satyanand Singh

A Web Application for Search of Near-Me Graduate Schools

Stefan Falciglia
Prof. Marcos Pinto

Web Speech API: An Interesting Conversation with Your Browser

Reem Flifel
Prof. Marcos Pinto

Antioxidant Properties of Caffeine by the DPPH and the AAPH Assays

Miguel Gomez
Prof. Alberto Martinez

Pairs Trading Simulation

Adam Gronowski
Prof. Boyan Kostadinov

Investigation of Degradation Rates for Poly (Ethylene Glycol) Diacrylate (PEGDA) for Engineered Scaffolds

Kerolos Hanna
Prof. Ozlem Yasar

Design and Manufacturing of an Electrical Go-Kart

Ridwanul Hoque
Prof. Angran Xiao

Control System Design for a Bipedal Robot

Warren Oscar Hunter
Prof. Yu Wang

Modular Multirotor Aerial System

Ladaban Jane Lynnel
Prof. Xiaohai Li

Sensing the Environment with Internet of Things

Ayesha Javed
Prof. Farrukh Zia

Clinical Nursing Practice and Oral-Systemic Health

Amy Tsz Kwok
Prof. Aida Egues

The Genetics of Breast Cancer in Minority Non-Hispanic Black Women

Lisa Lee
Prof. Aida Egues

Study of the Consensus Sequence of Class C GPCR's Family

Ashleigh Leger
Prof. Mai Zahran

Design and Manufacturing of an Electrical Go-Kart

Alexis Luna
Prof. Angran Xiao

Energy Performance of Architectural Retrofit

Gabriela Martinez
Prof. Jihun Kim

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

Kevin Mei
Prof. Jean Hillstrom

**Mobile App: Sending SMS/Email to
Students for Emergency Situations**

George Nwankwo
Prof. Marcos Pinto

**The Optimization of Solar Energy:
Measuring Natural Energy in Real-Time with
Environmental Sensor Data**

Wes Oler
Prof. Alexander Aptekar

**To Examine the Effect of Resveratrol on
Tetrahymena Thermophila**

Shazeda Omar
Prof. Ralph Alcendor

**Killing Them with Kindness: The Congregation of
the Order of Our Lady of the Apostles and
British/French Colonial Rivalries in the
Egyptian Delta at the End of the 19th Century**

Wolf Pamphile
Prof. Stephanie Boyle

**Computerized Homework Education SyStem
(C.H.E.S.S.)**

Hashir Qureshi
Prof. Viviana Acquaviva



Designing a Research Poster Presentation
Prof. Jean Hillstrom
November 2, 2017

**A Comparison of Service Delivery for
Developmental Disabilities:
Moldova vs United States**

Jawad Rashid
Prof. Justine Pawlukewicz

**Computer Based Control of
Energy Efficient LED Light Bulbs**

Syeda Nazia Rahman
Prof. Farrukh Zia

**Roboquin Speech Synthesis and
Speech Recognition**

Samiha Riham
Prof. Farrukh Zia

**Topology and Optimization in
Design and Fabrication**

Heraldi Sadmojo
Profs. Anne Leonhardt & Satyanand Singh

Scaffold Fabrication for Cell Viability Analysis

William Santiago
Prof. Ozlem Yasar

Design and Manufacturing of an Electrical Go-Kart

Alisha Sevilla
Prof. Angran Xiao

Conjugate Gradient Method Analysis

Farjana Shati
Prof. Ezra Halleck

**The Optical Absorption in Double Layers of
Novel Two-Dimensional Nanomaterials Due to
Excitonic Transitions**

Gurkaran Singh
Prof. Oleg Berman

Sense of Environment with Internet of Things

Arooba Sohail
Prof. Farrukh Zia

**Roboquin Speech Synthesis and
Speech Recognition**

Jennifer Solomon
Prof. Farrukh Zia

To Examine the Effect of Resveratrol on Tetrahymena Thermophila

Bashrat Sultana
Prof. Ralph Alcendor

IoT Enabled Wearable Technology

Rumana Hassin Syed
Prof. Farrukh Zia

Numbers Symbolism: Comparison of the Use of Numbers in the Book of Revelation and The Pythagorean School

Jaroslav Sykora
Prof. Nadia Kennedy

3D Nutrient Delivery Network Fabrication for the Engineered Tissues

Joyce Tam
Prof. Ozlem Yasar

Interpersonal Violence in Nursing: The Gender Connection

Thomas Tracy
Prof. Aida Euges

Development of Interactive Flow Cytometry Analysis Interface

Nina Tretiakova
Prof. Jeremy Seto

Decryption Using Markov Chain Monte Carlo

Jeffrey Tumminia
Prof. Boyan Kostadinov





Research Mixer
September 14, 2017

**Systems Biology Modeling of
Survival and Differentiation Pathways**

Jessica Valentin
Prof. Jeremy Seto

**A “Real” Peek in the Future of the Web Browsers:
WebVR**

Martin Witkowski
Prof. Marcos Pinto

Synthesis of Angucycline

Xiaolan Wu
Prof. Tony E. Nicolas

Energy Performance of Architectural Retrofit

Yuying Xian
Prof. Jihun Kim

Redesign a Hackberry Bionic Hand

Jiamian Zhao
Prof. Gaffar Gailani

Ramsey Numbers

Mei Zhu
Prof. Satyanand Singh

Trend in the Residential Energy Consumption Survey

Xuebin Zou
Prof. Johann Thiel

GRANT-FUNDED PROJECTS

**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

**Characterizing A Novel Ionophoric Polyphenol
Compound**

Victor Adedara
Prof. Ralph Alcendor

Network Limbs Sensor

Gabriel Martinez
Prof. Yu Wang

**Characterizing A Novel Ionophoric Polyphenol
Compound**

Kabiru Omolaja
Prof. Ralph Alcendor

**Characterizing a Calpain Family Member Using
Computational Tools and Cell and Molecular
Techniques**

Masood Usman
Prof. Ralph Alcendor

Design and Fabricate Low Cost RC Car

Gamal Mansour
Prof. Andy Zhang



The National Science Foundation
Research Experiences for
Undergraduate Scholars
2017-2018

**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, Janet Liou-Mark,
and 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

**New York 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

**Global Food Security Parameters Studies Using
Satellite Remote Sensing**

Timothy Medina

**Mean Streets:
An Analysis on Street Level Pollution in NYC**

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,
and Ms. Laura Yuen-Lau

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

Prof. Reginald Blake

Shaking Things Up Concerning Earthquakes

Juan C. Alba, Richard Gonzalez,
Edisson Ortiz, Arman Sarowar,
Manpreet Singh, Qihua Zheng

**Anthropogenic Climate Change:
A Hot Topic with Cold Attitudes -
A Case Study of Syria**

Winston Aitken, Rabea Begum,
Jiehao Huang, Wen-Yong Huang,
Steven Jean-Baptiste, Stephen Valite,
Jonathan Yee

Taking a Dip into Floodings

Gabriel Martinez, Mike Osipov,
Nathan Persaud, David Perez Ramos,
Krystal Valdez

Volcanoes: Mountains of DOOM

Luis Chacha, Arturo Madrigal,
Daniel Pineda, Karen Schay,
Matthew Tackett

Keeping an Eye on Hurricanes

Miftaah Pirzada, Hanzalah Rehman,
Danielle Telemaque, Justin Wong,
Xue Bin Zou



Presentation Skills
Professional Development Center
October 5, 2017

**PHYS 1002I-D608:
An Introduction to the Physics of Natural Disasters**

Prof. Reginald Blake

Shake and Quake

Viki Bailey, Sergio Carrillo,
Abdoulaye Drabo, Mohammad Khalid,
Angel Orellana, Zhao Wang Yu

Climate Change Impacts on Agriculture

Yocelyne Partillo, Stanley Wong,
Kelvin Yeboah

Floods: Nature's Hydro Fury

Frantzy Dor, Shameeka Reed, Frandy Rubio,
Frank Trapani

Hell Rising through Nevado del Ruiz

Jeff Carrion, Maria de Leon, Dillen Pantua,
Christian Rosario, Niurka Vakera

Houston, We Have a Problem!!

Iran Baltazar, Nixander De Leon,
David Larriveaud, Kerim Sermit

**NATIONAL INSTITUTE 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, and Ms. Lori Younge

Effect of Raw Garlic and Aged Garlic on HEK293 Cells

Fatimah Ahmed
Prof. Ralph Alcendor

Effect of Calcium on Tetrahymena Thermophile

Laiba N. Choudhary
Prof. Ralph Alcendor

Effect of Glucose on Tetrahymena thermophile

Sumaiyah Mahfooz
Prof. Ralph Alcendor

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

Audrey Powell, Daisy Salas
Prof. Amanda Almond

Depression and Anxiety in Cirrhosis

Jalisa Watt
Prof. Katherine Barboza

Molecular Characterization of Mesophotic Black Corals (Antipatharians) from The Flower Garden Banks National Marine Sanctuary (NW Gulf of Mexico)

Nadia Alomari
Prof. Mercer Brugler

Qualitative Analysis of Expressive Writing on Traumatic Events

Maryam Maryam
Prof. Pa Her

The Effects of Expressive Writing on Cardiac Impedance over Time

Jordan Jean Pierre, Christopher Persaud
Prof. Jean Hillstrom

Antioxidant and Anti-amyloidogenic Properties of Caffeine

Sinji Shibutani
Prof. Alberto Martinez



Developing and Delivering Effective Presentations
Prof. Jean Hillstrom
October 26, 2017

The Extraction and Comparison of Pigments from Natural Products

Malyka Valentine
Prof. Diana Samaroo

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

Terisha Persaud, Randy Valcourt
Prof. Olufemi Sodeinde

U.S. DEPARTMENT OF EDUCATION: MINORITY SCIENCE AND ENGINEERING IMPROVEMENT PROGRAM (MSEIP): STRATEGIC CHANGES TO INCREASE AND SUSTAIN THE PARTICIPATION OF WOMEN AND UNDERREPRESENTED MINORITY STUDENTS IN COMPUTER SCIENCE

(DOE MSEIP Grant #P120A150063)
Associate Provost Pamela Brown,
Profs. Sandie Han, Boyan Kostadinov,
Janet Liou-Mark, Johann Thiel,
and Ms. Suhua Zeng

Exploring the Gender Effects of a Mathematics Preparatory Workshop on Student Learning

Guichang Chen
Prof. Janet Liou-Mark

An Application of Machine Learning Algorithms to Cancer Data

Mukadder Cinar
Prof. Johann Thiel

SPECIAL PROJECTS

Water Resources Management of Fairview Lake in Tafton, PA

Denis Belioglo, Bishnauth Bissoon,
Margarita Bizhan, Daniel Castellanos,
Kameron Daniel, Vasyl Dobronravov,
Joniel Edwards, Dorwin Emanuel,
Danny Estrada, Ebenezer Idowu,
Sikander Iqbal, Garry Jeune, Soo Hee Kim,
Jiarong Li, Azzall Monasser, Jaime Mosquera,
Shawn Nevers, Shaquille Ramcharan,
Leonardo Ramos, Muhammad Shabir,
Max Solache, Brenthal Thomas, Abel Urgiles,
Oleh Zabolotnyi, and Jhonny Zheng

ABSTRACT:

Students analyze and design water resources public works projects for a community located in Tafton, PA. Students analyze the watershed, develop a computer model of the waterway, and design a water and wastewater treatment plant for the community.

Prof. Gerarda M. Shields, PhD, PE
Department of Construction Management and
Civil Engineering Technology



Writing Abstracts for Research Projects
Prof. Marianna Bonanome and George Guida
September 28, 2017

Emerging Culinaricians - Transforming Perspectives, Expertise and Creativity Through Competition

Vanessa Chen, Clotilda Hamilton,
Michelle Pantaleon, Andrew Rodriguez,
Terrence Sutton, Maurilio Tendilla,
Charles Tripoli, Kristen Tsui, and Jerry Zhao

ABSTRACT:

Professional culinary competition is the process by which chefs demonstrate their expertise and creativity. Students – aspiring chefs – model this process through competition. They transform their culinary knowledge by creating signature dishes for exhibition and critique by certified judges.

Prof. Robert Walljasper, CCE, CEC, ACE
Department of Hospitality Management

NOTES



A series of 20 horizontal lines for writing notes, spaced evenly down the page.

**THE 27TH 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
Dean Justin Vazquez-Poritz
Prof. Julia Jordan
Ms. Laura Yuen-Lau
Mr. Andrew Wills
Mr. David Turkiew
Mr. George Lowe
Mr. Lubosh Stepanek
Ms. Shawn Beatty
Ms. Clara Johnson



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

Navid Allahverdi
Dionne Bennett
Monica Berger
Mercer Brugler
Evgenia Giannopoulou
Brad Isaacson
Alberto Martinez
Ariane Masuda
Douglas Moody
Diana Samaroo
Ashwin Satyanarayana
Jeremy Seto
Gerarda M. Shields
Satyanand Singh
Olufemi Sodeinde
Anne Marie Sowder
Andrew Wills
Derek Wilson
Mai Zahran



**A SPECIAL RECOGNITION AND APPRECIATION TO
MS. ERIN MAYOYO FOR DESIGNING THE PROGRAM**

