THE 19th SEMI-ANNUAL POSTER PRESENTATION

HONORS & EMERGING SCHOLARS
Poster Presentation

LEARNING COMMUNITIES
Theme-Based
Poster Presentation

Wednesday, December 4, 2013
11:00 AM - 4:00 PM
Atrium Ground & First Floor

Thursday, December 5, 2013
10:00 AM - 3:00 PM
Atrium Amphitheater
Awards Ceremony at 12:30 PM

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December 5, 2013
Atrium Amphitheater • 12:30 PM

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RUSSELL K. HOTZLER
President

BONNE AUGUST
Provost and Vice President for Academic Affairs

PAMELA BROWN
Associate Provost

HONORS SCHOLARS RECOGNITION

JANET LIOU-MARK
Director of the Honors Scholars Program

LAURA YUEN-LAU
Coordinator of the Honors Scholars Program

EMERGING SCHOLARS RECOGNITION

SELWYN WILLIAMS
Director of Undergraduate Research

LEARNING COMMUNITY RECOGNITION

ESTELA ROJAS
Director of Learning Communities

BEST POSTER AWARDS

RENETA LANSIQUOT
Assistant Director of the Honors Scholars Program

NATIONAL SCIENCE FOUNDATION
RESEARCH EXPERIENCE FOR UNDERGRADUATES
Scholars • 2013 - 2014

HONORS COURSES

THREE WEEKS AND A DAY OF RAIN: BEFORE AND AFTER (PART ONE AND PART TWO)

Thierno A. Bah, Yuly Y. Chiang, C.F. Sebastian Dalencourt, Jodel Delectable, Virgina R. Devi-Chou, Brian S. Francis, Elizabeth A. Horvath, Sabine Jean-Guillaume, George Murphy, Jeffrey L. Nelson, Agatha Ramirez, Geoffrey T. Robinson, Adebambo Shomoye, Chantal Stein, W. P. Kenny Tsang

Professors Jay Deiner, Alberto Martinez, Diana Samaroo, and Suresh Tewani

CHEM 1210L: General Chemistry II Laboratory - Honors
Supported by Compact Funding

BROOKHAVEN NATIONAL LABORATORY S-SAFE INTERNSHIP
July 2013

NOAA CENTER FOR WEATHER AND CLIMATE PREDICTION
August 6, 2013

GOVERNOR'S ISLAND
September 28, 2013

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Joe Nathan Abellard
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Prof. Xiangdong Li
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THE EFFECT OF TARGETED WEEKLY E-COMMUNICATION ON ADJUNCT FACULTY AT CITY TECH

Kevin Rajaram and Matthew Joseph
Web Master & CST student and Design Intern & ADGA Student Faculty Commons
ABSTRACT: Adjunct faculty at New York City College of Technology have traditionally not responded to college-wide announcements due to either a lack of targeted communication to address the needs to this specific group or a lack of participation. Faculty who were made aware of the organized information via weekly emails in spring 2013 increased the amount of traffic to the website thereby improving the College's ability to communicate with these faculty members.

PRIME GAPS AND OTHER NUMBER THEORETIC RESULTS

Amean Abdelfattah, Christopher Chan, Thomas Cheung, Abel Fernandez, Adam Ibrahim, Jose Jimienez, Alassane Ngaide, Stanislav Shur, Bikkaram Singh, Benjamin Zeng and Suhua Zeng
Prof. Satyanand Singh
MAT 3020: Number Theory
ABSTRACT: We will present a smorgasbord of examples in number theory with solutions via computer algebra system. We will then culminate our discussions with recent advances in the prime gap conjecture.

STREETSIDE SCIENCE: USING DNA BARCODING TECHNOLOGY TO EXPLORE BIODIVERSITY IN MOLECULAR AND CELL BIOLOGY LAB

Rimsha Azhar, Toni Batiste, Monika Balaban, Lynn Jean, Benjamin Joseph, Denise King, and Stephanie Urena
Profs. Jeremy Seto & Ghassan Yehia
BIO3620L: Molecular and Cell Biology Laboratory

REAL ANALYSIS: BOUNDEDNESS OF SETS BY WAY OF EXAMPLES

Francois Mertil
Prof. Satyanand Singh

NSF LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION (LSAMP) PROGRAM

Program Coordinator: Ms. Jodi-Ann Young

VSAT: PRINCIPLES AND APPLICATIONS

Tollisha Thompson
Prof. Mohammad Razani

WIRELESS AND FIBER OPTICS

Mamadou Bah
Prof. Asm Delowar Hossain

SCHEDULING IN SENSOR NETWORKS

Daniel Caban
Prof. Fangyang Shen

Joe Nathan Abellard
Prof. Xiaohai Li

Muhammed Abubakar
Prof. Muhammad Ali

RESEARCH EXPERIENCES FOR UNDERGRADUATES IN SATELLITE AND GROUND-BASED REMOTE SENSING AT NOAA-CREST 2

NSF REU Grant # AGS-1062934
Prof. Reginald Blake and Prof. Janet Liou-Mark

LAG-CORRELATION ANALYSIS OF THE APRIL 2013 FLOOD EVENT IN ARGENTINA

Jhonatan Alvizurez

A COMPARISON OF SATELLITE LAND SURFACE TEMPERATURE WITH STATION MEASURED TEMPERATURE FOR IMPROVED DETECTION OF FROZEN GROUND

Sikha Basnet

CORRELATIONS BETWEEN AEROSOLS PSDS & PRECIPITATION IN PUERTO RICO

Sergio Bracho

USING MULTIPLE INSTRUMENT MEASUREMENTS TO ASSESS INTEGRATED WATER VAPOR PATH FROM A MULTISPECTRAL MICROWAVE RADIOMETER

James Fallon

THE EFFECTS OF GLOBAL WARMING ON TEMPERATURE & PRECIPITATION TRENDS IN NORTHEAST AMERICA

Felicia Francis

VALIDATION AND CALIBRATION OF THE SWAT HYDROLOGICAL MODEL AND SNTHERM SNOWPACK MODEL IN WATERSHEDS OF CANNONSVILLE, NEW YORK

Benjamin Joseph

USING REMOTE SENSING AND FIELD OBSERVATIONS OF COLORED DISSOLVED ORGANIC MATERIAL (CDOM) TO IMPROVE UNDERSTANDING OF CARBON DYNAMICS AT THE LAND-OCEAN INTERFACE

Lena Lai

GROUND REFERENCE AND ANCILLARY DATA VALIDATION OF FREEZE-THAW STATE PRODUCTS OF ALASKA
Berenice Oseguera

TEACHING HIGH SCHOOL STUDENTS MACHINE LEARNING ALGORITHMS TO ANALYZE FLOOD RISK FACTORS IN RIVER DELTAS
Renautha Rose

ESTABLISHING A CORRELATION BETWEEN THE URBAN HEAT ISLAND (UHI) EFFECT IN NEW YORK CITY AND THE LAND COVER
Awolou Sossa

DEVELOPING HIGH RESOLUTION AOD IMAGING COMPATIBLE WITH WEATHER FORECAST MODEL OUTPUTS FOR PM2.5 ESTIMATION
Daniel Vidal

INTER-ANNUAL COMPARISON OF SATELLITE PASSIVE MICROWAVE DATA WITH GROUND BASED RADIOMETRIC MEASUREMENTS
Guan Nian Zeng

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

NEW YORK CITY RESEARCH INITIATIVE (NSF OEDG) SATELLITE EARTH SURFACE TEMPERATURE: AVERAGING PROCESS AND VALIDATION
Jumel Villaroel, Tuan Thai, and Myesha Blanchard
Mr.Steven Ligator (George Westinghouse Technical High School)
Dr. Yasser Hassebo, LaGuardia Community College

IS901: Independent Study
MEDU 2901: Peer Leader Training in Mathematics
The Black Male Initiative, Perkins VTEA, and CUE Funding
Dr. AE Dreyfuss

WHAT READ STRATEGIES HAVE STUDENTS IMPLEMENTED IN BIOLOGY 1101?
Hikma Abdulghani

HOW DO STUDENTS IN MATHEMATICS (MAT1175) BENEFIT FROM VYGOTSKY'S ZONE OF PROXIMAL DEVELOPMENT?
Joe Nathan Abellard

WHAT TECHNIQUES CAN THE PEER LEADER USE TO ENGAGE STUDENTS IN A MATHEMATICS (MAT1275) WORKSHOP?
Frank Chendjou

HOW CAN BLOOM'S TAXONOMY SUPPORT STUDENTS' LEARNING IN WORKSHOP IN A MARKETING (MKT1100) COURSE?
Monika Ciereszko

HOW CAN THE PEER LEADER BUILD A SUPPORTIVE ENVIRONMENT FOR STUDENTS IN A BIOLOGY 1101 WORKSHOP?
George Cobos

WHAT FACTORS CAN HELP STUDENTS PERSIST IN A MATHEMATICS (MAT1175) WORKSHOP?
Abel Fernandez

HOW CAN THE PEER LEADER PROVIDE SCAFFOLDING IN A BIOLOGY 1101 WORKSHOP?
Shannan Massry

HOW CAN STUDENTS LEARN FROM THEIR MISTAKES IN A MATHEMATICS (MAT1175) WORKSHOP?
Leonardo Perez

HOW DOES THE PEER LEADER LEAD A WORKSHOP OF STUDENTS WITH VARIOUS LEARNING STYLES IN THE STATICS 1 (CMCE 1115) WORKSHOP?
Ian Petersen

WHAT READING TECHNIQUES IN BIOLOGY 1101 SUPPORT STUDENTS' LEARNING?
Loudjina Pierre

HOW CAN THE PEER LEADER DEVELOP STUDENTS' UNDERSTANDING OF INSTRUCTIONS IN ELECTRO-MECHANICAL MANUFACTURING LAB (EMT1130)?
Andris Pinkhasik

WHAT READING STRATEGIES SUPPORT STUDENT LEARNING IN A BIOLOGY 1101 WORKSHOP?
Ayesha Rasool

HOW DOES CHANGING GROUP SIZE AFFECT STUDENTS IN A MATHEMATICS (MAT1175) WORKSHOP?
Julia Rivera

HOW DOES CHANGING PARTNERS IN ELECTRO-MECHANICAL MANUFACTURING LAB (EMT1130) SUPPORT STUDENTS IN WORKSHOP?
Adedamola Shomoye

WHAT STRATEGIES CAN THE PEER LEADER USE TO MOTIVATE STUDENTS IN A MATHEMATICS (MAT1275) WORKSHOP?
Bing Jing Zheng

DESIGNING A RESEARCH POSTER PRESENTATION
Ms. Jodi-Ann Young • November 14, 2013

PLTL PEER LEADERS
Fall 2013

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