a **New York City College of Technology**

Summary of Highlights of Student Scholarship and Accomplishments
External Student Publications, Presentations and Accomplishments
(Student names in bold)
(last updated September 17, 2019)

2019

Xiao, A., **Alba, R.,** Zhang, A., Yasar, O., Gailani, G., (2019), "Senior Design Case Study: Application of System Engineering Concepts in the Design of A CNC Router", 2019 American Society for Engineering Education Annual Conference & Exposition, Tampa, FL, Paper Number: 24731 (supported by NASA, and CUNY Research Scholars Program (CRSP).

Wilmont, C., Anzalone, P., *Solar Responsive Facades in an Urban Environment*, CUNY Research Scholars Program Symposium, New York, NY, July 2019 (Supported by City Tech CRSP funding).

Torres, R. *Assessing Participants' Feedback to Dental Hygiene Care Provided by Dental Hygiene Students.* American Dental Hygienists' Association's (ADHA) 95th Annual Session, Student Scientific Research Poster Presentation Conference. June 2019, Louisville, KY. (City Tech Foundations funding).

Aparicio Carranza, **Elizabeth Ferreira, Jorge Martinez, Tomas Chavez** *"*Integration of the Raspberry Pi and Cloud Technologies for Preventing Drunk Driving"*, 4th International Conference on Computer and Information Science and Technology (CIST'19), August* 21-23, 2019, Lisbon, Portugal.

Aparicio Carranza, **Mahendra Ganesh,** Harrison Carranza**,** Casimer DeCusatis *"*Performance Evaluation of a Raspberry Pi Bramble Cluster for Penetration Testing"*, 4th International Conference on Computer and Information Science and Technology (CIST'19), August* 21-23, 2019, Lisbon, Portugal.

Aparicio Carranza, Hossein Rahemi, Harrison Carranza**, Mdzafar Sadak** *"*Cloud Computing and Implication of Data Security"*, 17th LACCEI Annual International Multi-Conference for Engineering, Education, and Technology,* July 24-26, 2019, Montego Bay, Jamaica.

Aparicio Carranza, Syed Zaidi, Casimer DeCusatis, Harrison Carranza**, Danny Moonazar** "Home Automation with Arduino for the Internet of Things (IoT)", *Proceedings of the 6th International Conference on Control, Dynamic Systems, and Robotics (CDSR'19),* Carleton University, Ottawa, Canada on June 6 - 7, 2019.

Heesang Kim, Xiao Lin Chen, Mdzafar Sadak, Aparicio Carranza "Secure Smart System Office (SSSO)", *11th Annual Enterprise Computing Community Conference (ECCC2019),* Marist College, Poughkeepsie, NY on June 9 – 11, 2019.

Diana Samaroo, Mai Zahran, **Andrew C. Wills, Johnny Guevara** and **Alexandra Tatonetti** "In vitro interaction and computational studies of glycosylated photosensitizers with plasma proteins" Journal of Porphyrins and Phthalocyanines (2019) 23 (04n05): 437-452.
(students supported by LSAMP, Emerging Scholars/City Tech Foundation and BMI)

Ramirez E., Paloka M., Rubin J., Fragoso J., Campos G., Hanna K., Budny R., Gailani G. (2019, May 10). *Dental Device: Biogeneric Implant Design*. New York: Northeastern Gnathological Society Spring Meeting: NSF ATE Restorative Dentistry & Business Team Student Poster Presentation. Recipient of $250 Award

G. Ortiz, A. Martinez, *Interaction of Multi-target Compounds with Human Serum Albumin*, American Chemical Society Undergraduate Research Symposium (ACS URS), Queens, NY, May 2019. (Supported by Emerging Scholars Program/City Tech Foundation and Applied Chemistry Internship).

M. Valentine, **J. Ginchereau**, H. Norouzi, C. Beale and R. Blake, *Analysis of Urban Surface Temperature using Satellite Remote Sensing and in-situ Applications*, 2019 Emerging Researchers National (ERN) Conference in STEM, Washington DC, February 2019. (Supported by NSF IUSE, NSF REU, and City Tech funding).

M. Valentine, **J. Ginchereau**, H. Norouzi, C. Beale and R. Blake, *Analysis of Land Surface Temperature Over Urban Landcover Types Using Satellite Remote Sensing and Ground-Based applications*, 18th Annual American Meteorological Society Annual Meeting (AMS) Student Conference, Pheonix Arizona, January 2019. (Supported by NSF IUSE, NSF REU, and City Tech funding).

Than C., A. Bah, H. Norouzi, **P. Arunyavikul**, **R. Carhuaricra** and R. Blake, *Studying Global Lakes Water and the Surrounding Land Surface Temperature Trends Using Satellite Observations*, 99th Annual American Meteorological Society (AMS) Student Conference, Phoenix, January 2019. (Supported by Emerging Scholars Program and City Tech funding).

Than C., A. Bah, H. Norouzi, **P. Arunyavikul**, **R. Carhuaricra** and R. Blake, *Analysis of Driving Factors of Global Lakes Surface Temperature Trends*, Emerging Researcher National (ERN) Conference in STEM, Washington DC, February 2019. (Supported by Emerging Scholars Program and City Tech funding)

Kenneth Conzelmann, **Langston Clark, Stephan Patoir,** *"From Passiv Haus to Aktiv Haus: The Hybrid, A Combination of Two Conscientious Design Methods".* Oral presentation at the Fifteenth International Conference on Environmental, Cultural, Economic & Social

Sustainability. University of British Columbia, Vancouver, BC.
Planning to present January 2019. [Research supported by CSTEP]

Kenneth Conzelmann, **Langston Clark, Stephan Patoir,** *"From Passiv Haus to Aktiv Haus: The Hybrid, A Combination of Two Conscientious Design Methods".* Book article in The International Journal of Environmental Sustainability of conference proceedings for the Fifteenth International Conference on Environmental, Cultural, Economic & Social Sustainability. University of British Columbia, Vancouver, BC. (ISBN for proceedings book pending). [Research supported by CSTEP]

Adrian Barros. "Investigating Seasonality in Forecast Bias." Poster presentation at **the** American Meteorological Society 99th Annual Meeting: 18th Annual Students Conference at the Phoenix Convention Center, Phoenix, Arizona, January 6, 2019. [Supported by NSF REU Program]

Andre Rodriguez. "Geolocation Correction of Satellite Precipitation Estimates Using a Radar Gauge Product**."** Poster presentation at the American Meteorological Society 99th Annual Meeting: 18th Annual Students Conference at the Phoenix Convention Center, Phoenix, Arizona, January 6, 2019. [Supported by NSF REU Program]

Benjamin Pascal. "Influence of Extreme Weather Disasters on Maize across the Globe during the Last Several Decades**."** Poster presentation at the American Meteorological Society 99th Annual Meeting: 18th Annual Students Conference at the Phoenix Convention Center, Phoenix, Arizona, January 6, 2019. [Supported by NSF REU Program]

Edgar Gomez. "Geolocation Correction of Satellite Precipitation Estimates Using a Radar Gauge Product." Poster presentation at the American Meteorological Society 99th Annual Meeting: 18th Annual Students Conference at the Phoenix Convention Center, Phoenix, Arizona, January 6, 2019. [Supported by NSF REU Program]

Evelin Perez-Flores. "The Dionysus Project: Classifying and Monitoring Vineyards with Satellite Remote Sensing & Image Analysis." Poster presentation at the American Meteorological Society 99th Annual Meeting: 18th Annual Students Conference at the Phoenix Convention Center, Phoenix, Arizona, January 6, 2019. [Supported by NSF REU Program]

Fatimata Dia. "Signals in the Urban Soils." Poster presentation at the American Meteorological Society 99th Annual Meeting: 18th Annual Students Conference at the Phoenix Convention Center, Phoenix, Arizona, January 6, 2019. [Supported by NSF REU Program]

Justine Ginchereau. "Analyzing the Diurnal Cycle of Urban Land Surface Temperature using Satellite Remote Sensing and in-situ Application." Poster presentation at the American Meteorological Society 99th Annual Meeting: 18th Annual Students Conference at the Phoenix Convention Center, Phoenix, Arizona, January 6. 2019. [Supported by NSF REU Program]

Makini Valentine. "Analyzing the Diurnal Cycle of Urban Land Surface Temperature using Satellite Remote Sensing and in-situ Application." Poster presentation at the American Meteorological Society 99th Annual Meeting: 18th Annual Students Conference at the Phoenix Convention Center, Phoenix, Arizona, January 6, 2019. [Supported by NSF REU Program]

Nicole Flores. "The Dionysus Project: Classifying and Monitoring Vineyards with Satellite Remote Sensing & Image Analysis." Poster presentation at the American Meteorological Society 99th Annual Meeting: 18th Annual Students Conference at the Phoenix Convention Center, Phoenix, Arizona, January 6, 2019. [Supported by NSF REU Program]

Shawn Telesford. "Ozone at the Earth's Surface in the New England Region." Poster presentation at the American Meteorological Society 99th Annual Meeting: 18th Annual Students Conference at the Phoenix Convention Center, Phoenix, Arizona, January 6, 2019. [Supported by NSF REU Program]

Benjamin Pascal. "Influence of Extreme Weather Disasters on Maize across the Globe during the Last Several Decades." Poster presentation at the Emerging Researchers National Conference in STEM, Washington, DC, February 21-23, 2019. [Supported by NSF REU Program]

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Makini Valentine. "Analyzing the Diurnal Cycle of Urban Land Surface Temperature using Satellite Remote Sensing and in-situ Application." Poster presentation at the Emerging Researchers National Conference in STEM, Washington, DC, February 21-23, 2019. [Supported by NSF REU Program]

2018

Shawn Telesford. "Ozone at the Earth's Surface in the New England Region." Presented at the Fall 2018 Virtual Poster Showcase, American Geophysical Union, Washington, DC [Supported by NSF REU Program].

Prakash, S., **F. Shati**, H. Norouzi, and R. Blake: *Observed differences between near-surface air and skin temperatures using satellite and ground-based data*, Journal of Theoretical and Applied Climatology, doi.org/10.1007/s00704-018-2623-1, 2018. (Supported by NSF REU program).

Than C., H. Norouzi, A. Bah, **P. Arunyavikul**, **R. Carhuaricra**, R. Blake, *Analysis of Surface Temperature Trends of World's Major Lakes and Relationships with their Basins' Characteristics,*

American Geophysical Union (AGU) Fall meeting, Washington DC, December 2018. (Supported by Emerging Scholars Program and City Tech funding).

Aparicio Carranza, **Heesang Kim and Xiao Lin Chen** *"Overview of Wireless Sensor Network (WSN) Security",* The 55th New York Cyber Security and Engineering Technology Association (NYSETA) Conference, October 18-19, 2018, SUNY Polytechnic Institute, Utica, NY.

Aparicio Carranza, **Joselin Campoverde and Brian Morales** "Security, Range & Speed Inspection of Wired and Wireless Network Via Kali Linux". *2018 Mid-Atlantic Fall Conference of the American Society for Engineering Education (ASEE), October 26 – 27, 2018 Brooklyn Technical High School, Brooklyn, New York.*

Aparicio Carranza, **Daniel Mayorga,** Casimer DeCusatis and Hossein Rahemi *"*Comparison of Wireless Network Penetration Testing Tools on Desktops and Raspberry Pi Platforms*", 16th. LACCEI Annual International Multi Conference For Engineering, Education and Technology: The Summit of Engineering for the Americas", July 18-20, 2018, Lima, Peru*

- **M. Valentine, J. Ginchereau**, H. Norouzi, C. Beale and R. Blake, *Analysis of Land Surface Temperature Over Urban Landcover Types Using Satellite Remote Sensing and Ground-Based applications*, American Geophysical Union (AGU) Fall meeting, Washington DC, December 2018. (Supported by NSF IUSE, NSF REU, and City Tech funding).

Adrian Barros (2018). "Investigating Seasonality in Forecast Bias." Presented at the Fall 2018 Virtual Poster Showcase, American Geophysical Union, Washington, DC. . [Supported by NSF REU Program]

Andre Rodriguez. "Geolocation Correction of Satellite Precipitation Estimates Using a Radar Gauge Product." Presented at the Fall 2018 Virtual Poster Showcase, American Geophysical Union, Washington, DC. . [Supported by NSF REU Program]

Benjamin Pascal. "Influence of Extreme Weather Disasters on Maize across the Globe during the Last Several Decades**."** Presented at the Fall 2018 Virtual Poster Showcase, American Geophysical Union, Washington, DC. . [Supported by NSF REU Program]

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Evelin Perez-Flores. "The Dionysus Project: Classifying and Monitoring Vineyards with Satellite Remote Sensing & Image Analysis." Presented at the Fall 2018 Virtual Poster Showcase, American Geophysical Union, Washington, DC. . [Supported by NSF REU Program]

Justine Ginchereau. "Analyzing the Diurnal Cycle of Urban Land Surface Temperature using Satellite Remote Sensing and in-situ Application." Presented at the Fall 2018 Virtual Poster Showcase, American Geophysical Union, Washington, DC. . [Supported by NSF REU Program]

Makini Valentine. "Analyzing the Diurnal Cycle of Urban Land Surface Temperature using Satellite Remote Sensing and in-situ Application." Presented at the Fall 2018 Virtual Poster Showcase, American Geophysical Union, Washington, DC. . [Supported by NSF REU Program]

Nicole Flores. "The Dionysus Project: Classifying and Monitoring Vineyards with Satellite Remote Sensing & Image Analysis." Presented at the Fall 2018 Virtual Poster Showcase, American Geophysical Union, Washington, DC. . [Supported by NSF REU Program}

D. Demateis, H. Norouzi, Sh. LaDeau, A. Bah, **P. Arunyavikul** and K. Weathers, *Identifying Trends in Differences between Inland Lake Surface Water and Surrounding Land Temperature Using a Bayesian Framework,* American Geophysical Union (AGU) Fall meeting, Washington DC, December 2018. (Supported by Emerging Scholars Program and City Tech funding)
Xiao, A., Zhang, A., **Tam, J.**, "Product Development Process and Student Learning in an Engineering Technology Capstone Project: Electrical Go-Kart", 2018 American Society for Engineering Education Annual Conference & Exposition, Salt Lake City, UA, Paper Number: 21107. (supported by Emerging Scholar Program)

Tam, J., "Product Development Process and Student Learning in an Engineering Technology Capstone Project: Electrical Go-Kart", Oral Presentation at 2018 American Society for Engineering Education Annual Conference & Exposition, Salt Lake City, UA. (supported by Emerging Scholar Program)

Luiza Kiyamova and Roseanna Torres –"Mouth Breathing: Symptoms, Complications & Treatments" Presentation at the Greater New York Dental Meeting, November 25, 2018

Olga Gorokhovskly, Rachel Pinhas, Nazrin Akbarova " The Benefits of Cannabidion in Dentistry and Dental Hygiene" Presentation at the Greater New York Dental Meeting, November 25, 2018 Presentation.

Cailin Arambarry, Sylwia Mikucka, Nadia Svitlynets "Vitamin D and Early Childhood Caries" Presentation at the Greater New York Dental Meeting, November 25, 2018 Presentation.

Ramirez E., Paloka M., Rubin J., Fragoso J., Campos G., Hanna K., Budny R., Gailani G. (2018, November 25). *Dental Device: Biogeneric Implant Design*. New York: 94th Annual Session of the Greater New York Dental Meeting. NSF ATE Restorative Dentistry & Business Team Students Scientific Poster.

Pinto, Marcus and **Ouri Alkada.** "Health Care AI: Predicting Breast Cancer with Machine

Learning," *Journal of Computing Sciences in Colleges.* Proceedings of the Consortium for Computing Sciences in Colleges (CCSC) Rocky Mountain Region 2018 Conference. October 12-13, 2018. New Mexico Institute of Mining and Technology, Socorro, NM.

M. Valentine, **J. Ginchereau**, H. Norouzi, C. Beale and R. Blake, *Analysis of Land Surface Temperature Over Urban Landcover Types Using Satellite Remote Sensing and Ground-Based applications*, 2018 Council on Undergraduate Research's Research Experiences for Undergraduates Symposium (CUR REU). Westin Alexandria, Oct 2018. (***M. Valentine received a travel award for her presentation***) (Supported by NSF IUSE, NSF REU, and City Tech funding).

Martínez, Alberto; Zahran, Mai; **Gomez, Miguel**; **Cooper, Coreen**; **Guevara, Johnny**; Ekengard, Erik; Nordlander, Ebbe; Alcendor, Ralph,**Hambleton, Sarah** (**2018**) Novel Multi-target Compounds in the Quest for New Chemotherapies against Alzheimer's Disease: An Experimental and Theoretical Study. *Bioorganic & Medicinal Chemistry*. August 2018 https://doi.org/10.1016/j.bmc.2018.08.019

Martínez, Alberto; Zahran, Mai; **Gomez, Miguel**; **Cooper, Coreen**; **Guevara, Johnny**; Ekengard, Erik; Nordlander, Ebbe; Alcendor, Ralph; **Hambleton, Sarah,** (**2018**) Novel Multi-target Compounds in the Quest for New Chemotherapies against Alzheimer's Disease: An Experimental and Theoretical Study. *Bioorganic & Medicinal Chemistry*, 26, 4823-4840 (Supported by Emerging Scholars Program)

Gomez, Miguel; Shibutani, Sinji; Martinez, Alberto; Interaction of Ionophoric Polyphenols with Human Serum Albumin (HSA), American Chemical Society, Undergraduate Research Symposium (ACS URS), Queens, NY, May 2018 (Emerging Scholars Program, Applied Chemistry Internship, Bridges to the Baccalaureate Program)

Martinez, Alberto; **Gomez, Miguel; Shibutani, Sinji**; Interaction of Ionophoric Polyphenols with Human Serum Albumin (HSA), American Chemical Society, Middle Atlantic Regional Meeting (ACS MARM), Bethlehem, PA, June 2018 (Emerging Scholars Program, Applied Chemistry Internship, Bridges to the Baccalaureate Program)

Hillstrom, J., Raimie, S.*, Chan, B.*, **Jean Pierre, J**., Her, P., & **Persaud, C**. (May 24-27, 2018). Emotion Regulation Strategies, Meaning-Making and Gender Affect Narrative Content in an Expressive Writing Paradigm. Presented at the 30th APS Annual Convention, San Francisco, CA. (Research funded in part by the NIH Bridges to the Baccalaureate Program; *Brooklyn College.)

Crider, T., Eng, D., Sarkar, P., **Cordero, J.,** Krusz, J. C. & Sarkar, S. Microvascular and Large Vein Abnormalities in Young Patients after Mild Head Trauma and Associated Fatigue: A Brain SPECT Evaluation and Posture Dependence Modeling. Clin Neurol Neurosurg. 2018 Jul;170:159-164. doi: 10.1016/j.clineuro.2018.05.019. Epub 2018 May 18.

Diana Samaroo, Melanie Villatoro, Servena Narine, **Areeba Iqbal, Kayla Natal** "A Multitier Approach To Integrating STEM Education into a Local Elementary School" *Science Education*

and Civic Engagement: An International Journal; (2018)10(1): 35-42 (supported by the Emerging Scholars Program)

Zahra Sharifnezhadazizi, Christopher A. Beale, Hamid Norouzi, Reginald Blake, **Sergio V. Cortes, Makini Valentine**, "*A global analysis of land surface temperature diurnal cycle", IEEE International"*, IEEE International Geoscience and Remote Sensing Symposium, Valencia, Spain,.

Z. Sharifnezhadazizi, C. Beale, H. Norouzi, R. Blake, S. Cortes, **M. Valentine**, "*A global analysis of land surface temperature diurnal cycle", IEEE International"*, IEEE International Geoscience and Remote Sensing Symposium, Valencia, Spain, July 2018. (Supported by NSF REU and City Tech funding).

Justin James Meyer, Satyanand Singh, *Generating Perfect Powers with Certain Divisibility Properties*, Mathematical Association of America, Metro NY Section Annual Meeting, Hofstra University, May 13th, 2018

Mian Shabbir and Anh Trieu, Satyanand Singh, *Recurrence Relations and Computational Complexity*, Mathematical Association of America, Metro NY Section Annual Meeting, Hofstra University, May 13th, 2018

Marco Dwyer, Asli Oney, Heraldi Sadmojo, Xiaoneng Tang, Anne Leonhardt and Satyanand Singh, *Topological Optimizations in Design & Fabrication***,** Mathematical Association of America, Metro NY Section Annual Meeting, Hofstra University, May 13th, 2018

Diana Zhu and Baikuntha Acharya, Satyanand Singh, *Ramsey Numbers,* Mathematical Association of America, Metro NY Section Annual Meeting, Hofstra University, May 13th, 2018

Rabea Begum, Mukadder Cinar, Shrijana Ghimire, Ariane Masuda, *Using Graphs to Assemble DNA Fragments***,** MAA Section Meeting, Hofstra University, May 13, 2018,

Jiehao Huang, James Booth, *Using Multiple Metrics to Analyze Weather Variability in New York City,* Mathematical Association of America, Metro NY Section Annual Meeting, Hofstra University, May 13th, 2018

Claire Mirocha, Mariya Bessonov *A Probabilistic Population Model with Cyclic Birth Rates,* Mathematical Association of America, Metro NY Section Annual Meeting, Hofstra University, May 13th, 2018

Janet Liou-Mark and Guichang Chen**,** *Exploring the Gender Effects of a Mathematics Preparatory Workshop on Student Learning,* Mathematical Association of America, Metro NY Section Annual Meeting, Hofstra University, May 13th, 2018

Mukadder Cinar, Boyan Kostadinov, *Using Big Data Analysis to Investigate Where It Pays to Attend College,* Mathematical Association of America, Metro NY Section Annual Meeting, Hofstra University, May 13th, 2018

David Friedman, Nadia Rodriguez, Ashwin Satyanarayana, FIND: A Tool to Filter Noisy Data Using Ensemble Model Averaging Mathematical Association of America, Metro NY Section Annual Meeting, Hofstra University, May 13th, 2018

Hashir Qureshi, Boyan Kostadinov, The Most Frequent Words in "Moby Dick" Mathematical Association of America, Metro NY Section Annual Meeting, Hofstra University, May 13th, 2018

Shmuel Kamensky, Boyan Kostadinov *Dr. Semmelweis and the Discovery of Handwashing,* Mathematical Association of America, Metro NY Section Annual Meeting, Hofstra University, May 13th, 2018

Harmandeep Singh, Boyan Kostadinov, *A Network Analysis of Game of Thrones,* Mathematical Association of America, Metro NY Section Annual Meeting, Hofstra University, May 13th, 2018

Kwokching Hui, Holly Carley and Boyan Kostadinov, *Solving the Birthday Problem with Monte Carlo Simulations,* Mathematical Association of America, Metro NY Section Annual Meeting, Hofstra University, May 13th, 2018

Adomaitis, A., **Espinosa, Eleazer. Jr.**, and Saiki, D. (April, 2018). *Dress, Gender, and Identity: An Inclusion of Many.* For International Textiles & Apparel Association Annual Conference, Cleveland, OH ITAA Proceedings #75, http://itaaonline.org (supported by the Emerging Scholars Program)

Gabriel Martinez, XiaoLin Chen, Teddie Lai, Mohammed Alborati, Yu Wang, "IoT in Myo Prosthetics, Proceedings of the ASEE-NE annual conference, April 2018, Hartford, CT.(National Science Foundation ATE (1601522) and Louis Stokes Alliance for Minority Participation. Partially supported by PSC-CUNY Grant (60310-0048), and National Science Foundation Noyce (1340007), and the City Tech Foundation)

Adomaitis, A. and **Roces, Alyssa.** (March, 2018). *Luxury Fashion Advertisements on Use Of Brand Credibility, Image, and Purchase.* In Pursuit of Luxury (IPOL) Conference. University

of Hertfordshire. Cape Town, South Africa. March 16-18, 2018. also a presentation. (supported by the Emerging Scholars Program)

M. Valentine, S. Cortes, C. Beale, A. Bah, H. Norouzi, R. Blake, **J. Yee, S. Carrillo, D. Telemaque,** "*Analysis of Urban Surface Energy Balance Parameters Using a Combination of Flux Towers and Infrared Cameras",* 9th Biennial NOAA EPP Forum, Washington DC, March 2018. (Supported by NSF IUSE, NSF REU, and City Tech funding).

Xiaolan Wu, Abdullah Allaoa and Tony E. Nicolas SYNTHESIS OF THE TETRACYCLIC FRAMEWORK OF THE OXYGENATED ANGUCYCLINES. 66th ACS Undergraduate Research Symposium. York College. May 5, 2018 (supported by Emerging Scholars Program).

Makini Valentine, Sergio V. Cortes, Christopher Beale, Abdou Bah, Hamid Norouzi, Reginald Blake, **Jonathon Yee, Sergio Carrillo, Danielle Telemaque,** "*Analysis of Urban Surface Energy Balance Parameters Using a Combination of Flux Towers and Infrared Cameras",* 9th Biennial NOAA EPP Forum, Washington DC, March 2018.

Bivens, Jennifer; Satyanarayana, Ashwin; **Chen, Jan Way;** ***Pros and Cons of Using Data Alaytics for Predicting Academic Performance in Computer Sciences Courses (abstract only);SIGCSE 2018:proceedings of the 49th ACM Technical Symposium on Computer Science Education; Baltimore, MD, February 21-24, 2018.***

Lansiquot, R. D., Cunningham, T. D., & **Cuff, Z.** (2018). Creating active learning spaces in virtual worlds. In M. Khosrow-Pour (Ed.), *Encyclopedia of information science and technology* (4th ed., pp. 7880-7887). New York: Information Science Reference. (supported by CRSP)

2017

Mei Zhu, Satyanand Singh, Markov Chains. Poster presentation at the "Discrete Math Day at Queens College", October 21st, 2017. (supported by ESP)

Shati, F., S. Prakash, H. Norouzi, and R. Blake: "*Assessment of differences between near-surface air and soil temperatures for reliable detection of high-latitude freeze and thaw states*", Journal of Cold Regions Science and Technology, doi:10.1016/j.coldregions.2017.10.007, 2017. (Supported by NSF REU program).

Meleha Yousaf, Fatoumata Camara, Gaffar Gailani, General Approach for Determination of Poroelastic Properties for Articular Cartialge and Other Tissues Subjected to Unconfined Compression. Proceedings of the Biomedical Engineering Society Annual conference, Phoenix**,** AZ, Oct 2017 (supported by CRSP, NIH BTB, CSTEP)

Cordero, J. and Sarkar, S. Comparison between 18F-FDG PET and 13C-Hyperpolarized MR for Cancer Today: a Meta-analysis. Paper presented at the World Congress in Radiology and Oncology, New York, NY, October 19-20, 2017.

Mina, J. and Sarkar, S. Higher Ed Partially Substitutes Complex Hospital-based Radiology Experience. Poster presented at the World Congress in Radiology and Oncology, New York, NY, October 19-20, 2017.

Almond, A., & **Saidinova, Y**. "Empowerment of Women in Psychology Across the Career Span: Promoting Health and Self-Compassion". MSEIP Summer Research Program, presented at Borough of Manhattan Community College, August, 14, 2017. (supported by NIH BTB)

Loupasakis K, Kuo D, Sokhi UK, Sohn C, Syracuse B, Giannopoulou EG, Park SH, **Kang H**, Rätsch G, Ivashkiv LB, Kalliolias GD. Tumor Necrosis Factor dynamically regulates the mRNA stabilome in rheumatoid arthritis fibroblast-like synoviocytes. PLoS One. 2017 Jul 14;12(7):e0179762. (supported by NIH BTB)

Liou-Mark, Janet, **Carlos Alvarez, Julia Rivera, Victor Lee, Fatima Rushdha Mohamed Rafreek**, and **Farjana Shati**. "The Peer Leadership STEM Manual." Oral presentation at the 6th Annual Meeting of the Peer-Led Team Learning International Society, Northeastern Illinois University, Chicago, Illinois, June 3, 2017. [Supported by DOE MSEIP and BMI]

Alvarez, Carlos, Joel Chapman, Janet Liou-Mark, Johann Thiel, Boyan Kostadinov, Lin Zhou, and Holly CarleyH. "The Implementation of Programming in Peer-Led Mathematics Workshops." Oral presentation at the 6th Annual Meeting of the Peer-Led Team Learning International Society, Northeastern Illinois University, Chicago, Illinois, June 2, 2017. [Supported by DOE MSEIP and BMI]

Liou-Mark, Janet, **Elizabeth Ferreira Pichardo, Jiehao Huang, Chi-Yan Rachel Li, Luis Lora,** and **Jeremy Sanchez**. "Peer-Led Team Learning in Mathematics: A Five-Year Overview." Poster presentation at the 6th Annual Meeting of the Peer-Led Team Learning International Society, Northeastern Illinois University, Chicago, Illinois, June 1, 2017. [Supported by DOE MSEIP and BMI]

Galusca, O., Budny, R. (2017, May 12). *Precision Engineered Dental Appliances.* New York: 50th Anniversary Northeastern Gnathological Society Spring Meeting: Dental Laboratory Technology Student Poster Presentation. Recipient of $300 scholarship.

Gomez, M., Martinez, A., Copper Binding Properties and Anti-Amyloidogenic Ability of Multi-Target Ligands, American Chemical Society, Undergraduate Research Symposium (ACS URS), Bronx, NY, May 2017 (LSAMP Scholar)

Almond, A., Ayala, E., & Moore, M., **Abellard, N., Estime, A., Fairweather, J., & Saidinova, Y.** Self-Care Inventory for Psychology Graduate Students (SCI-PSY): Scale Construction and Validation" Association of Psychological Science, May 25-28, 2017. (supported by NIH BTB)

Chen, Yanna, **Salazar, C. Julio, Luo, Hao Jie, Zou, Xubin, Yueng Ivan, Merkis Ruiz**, Satyanand Singh. Close Encounters with Stirling Numbers of the First and Second Kind. Poster

presentation at the MAA Sponsored Graph Theory Day (#73) on April 22nd, 2017 at NYCCT (Funding provided by the Department of Education MSEIP Grant).

Liou-Mark, Janet, **Carlos Alvarez, Ronaldo Carhuaricra, Joel Chapman, Elizabeth Ferreira Pichardo, Farjana Shati, Gary Zeng,** and **Xuebin Zou,** "Enhancing Mathematical Understanding through a Peer Leadership Program." Oral presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, Hostos Community College, Bronx, NY, April 29, 2017. [Supported by DOE MSEIP]

Aparicio Carranza, **Josue Magallanes,** Casimer DeCusatis and **Javier Espinal** *"*Automated Wireless Network Penetration Testing Using Wifite and Reaver*", 15th. LACCEI Annual International Multi Conference For Engineering, Education and Technology: The Summit of Engineering for the Americas", July 19-21, 2017, Florida Atlantic University, Boca Raton, USA.*

John Rosario, Jaime Santos, Jose Herrera and Aparicio Carranza "Penetration Testing Using Virtual and Physical Networks"*, Enterprise Computing Community Conference (ECCC),* Marist College, Poughkeepsie, NY, June 11 – 13, 2017.

Gronowski, Adam, Satyanand Singh. What are your options? Hedging All Bets! Poster presentation at the Mathematical Association of America (MAA) Metropolitan NY Section 2017 Annual Meeting on April 29th, 2017 at Hostos Community College Funding provided by the Department of Education MSEIP Grant).

Liou-Mark, Janet, Melanie Villatoro, Diana Samaroo, **Anne Therese Yu**, and **Lamia Mahren.** "Peer-Led Team Learning Leadership Program for Underrepresented Minority STEM Undergraduates." Oral presentation at the 36th Annual Conference on The First-Year Experience, Atlanta, GA, February 12, 2017. [Supported by FYP]

lvarez, Carlos. "**Observing Seasonality of Inundation Patterns Across the Pacaya-Samiria National Reserve Region Through the Use of Sentinel SAR 1." Poster presentation at the** American Meteorological Society 97th Annual Meeting: 16th Annual Students Conference at the Washington State Convention Center, Seattle, Washington, January 20- 24, 2017. [Supported by NSF REU Program]

Shati, Farjana. "Evaluation of Differences among Near-surface Air Temperature, Land Surface Temperature and Soil Temperature Using Remote Sensing and Ground-Based Observations." Poster presentation at the American Meteorological Society 97th Annual Meeting: 16th Annual Students Conference at the Washington State Convention Center, Seattle, Washington, January 20- 24, 2017. [Supported by NSF REU Program]

Sanchez, Jeremy. "Thermal Structure of the Urban Boundary Layer during a Heat Wave Period." **Poster presentation at the** American Meteorological Society 97th Annual Meeting:

16th Annual Students Conference at the Washington State Convention Center, Seattle, Washington, January 20- 24, 2017. [Supported by NSF REU Program]

Mateo, Michael. "Use of Landsat 8 to Classify Coral Reefs and Evaluating the Effects of the Chemical Oxybenzone on Porites furcata's Reflectance Signature." **Poster presentation at the** American Meteorological Society 97th Annual Meeting: 16th Annual Students Conference at the Washington State Convention Center, Seattle, Washington, January 20- 24, 2017. [Supported by NSF REU Program]

Chen Yanna. "Analysis of Global Drought and Land-Cover/Land-Use Change Using Satellite Passive Microwave Observations." Poster presentation at the American Meteorological Society 97th Annual Meeting: 16th Annual Students Conference at the Washington State Convention Center, Seattle, Washington, January 20- 24, 2017. [Supported by NSF REU Program]

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Lansiquot, R., Cunningham, T., & **Cuff, Zianne.** (2016). Revitalizing Second Life for interdisciplinary learning. In *Proceedings of Global Learn 2016* (pp. 285-288). Chesapeake, VA: AACE. (supported by CRSP)

Prakash, S., H. Norouzi, M. Azarderakhsh, R. Blake, **F. Shati**, "A Novel Approach For Freeze/Thaw Detection Using Satellite-Based Land Emissivity Estimates", American Geophysical Union (AGU) Fall Meeting 2016, Dec, 2016.

Norouzi, H., Prakash, S., Azarderakhsh, M., Blake, R., **Campo, C.**, High Latitude Freeze and Thaw States Detection Using Satellite-based Microwave Land Surface Emissivity Estimates, IEEE International Geoscience and Remote Sensing Symposium, Beijing, China, 2016.

Shati, F., S. Prakash, H. Norouzi, R. Blake, "Assessment of Differences Among Air Temperature, Land Surface Temperature and Soil Temperature Using Remote Sensing and Ground-Based Observations", American Geophysical Union (AGU) Fall Meeting 2016, Dec, 2016.

Mariya Kostoya, L. Deiner, D. Samaroo, "Quantification of Fluoride Ion Concentration in Commercially Available Teas," Access, December 2016, p. 21. [Supported by ESP]

Ramesh Prashad, Ozlem Yasar, (2016). Three-Dimensional Scaffold Fabrication with Inverse Photolithography. MRS Advances,1, pp 1-5. DOI: https://doi.org/10.1557/adv.2016.620 [supported by ESP and CSTEP]

Joyce Tam, Ozlem Yasar, (2016). Multi Material Scaffold Fabrication with Maskless Photolithography. MRS Advances,1, pp 1-6. DOI: https://doi.org/10.1557/adv.2017.21 [supported by CRSP and ESP]

Galusca, O., Budny, R. (2016, November 27). *Precision Engineered Dental Appliances*. New York: 92st Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Scientific Student Poster Session. [Honors Scholars project]

Safaa Hassan, "Multicolor Cell Labeling Method in Dorosophila", 2016 Annual Biomedical Research Conference for Minority Students (ABRCMS), November 9-12 Tampa, FL. [supported by NIH BTB]

Nicole Bellaflores-Mejia, Craig Dawes, Colin Joseph, Juanita Marin, Sheila Moaleman, Lysna Paul, Ralph Alcendor, Tatiana Voza, Marissa F. Nutall, Emma L. Hickerson, Dennis M. Opresko, Mercer R. Brugler. *Molecular characterization of mesophotic black corals (antipatharians) from the NW Gulf of Mexico.* ABRCMS November 9-12th, 2016, Tampa, Florida. . [CD, CJ – supported by ESP; NB-M, JM, SM – supported by NIH BTB]

Kimberly-Ann Basdeo and Cheryl L. Carmichael. *A Field Study of Attachment and Touch*. ABRCMS November 9-12th, 2016, Tampa, Florida. [supported by NIH BTB]

Nicole Bellaflores-Mejia, Craig Dawes, Colin Joseph, Juanita Marin, Sheila Moaleman, Lysna Paul, Ralph Alcendor, Tatiana Voza, Marissa F. Nutall, Emma L. Hickerson, Dennis M. Opresko, Mercer R. Brugler. *Molecular characterization of mesophotic black corals (antipatharians) from the NW Gulf of Mexico.* 6th International Symposium on Deep-Sea Corals 2016; September 11-16, 2016, Boston, MA. [CD, CJ – supported by ESP; NB-M, JM, SM – supported by NIH BTB]

Mercer R. Brugler, Tatiana Voza, **Craig Dawes, Colin Joseph, Juanita Marin, Nicole Bellaflores-Mejia, Sheila Moaleman**, Lysna Paul, Samantha L. Goldman, Ralph Alcendor, Dennis Opresko, Daniel Wagner, Rob Stewart, Sadie Mills, Di Tracey, Kevin G. MacIsaac. *Molecular characterization of the black coral Telopathes cf. magna from deep waters around New Zealand, Antarctica (Ross and Somov Seas) and Hawai'i.* 6th International Symposium on Deep-Sea Corals 2016; September 11-16, 2016, Boston, MA. [CD, CJ – supported by ESP; NB-M, JM, SM – supported by NIH BTB]

Yanna Chen. The Feasibility Study of Using Microwave Emission in Detecting Drought and Land-Cover/Land-Use Change Studies. Poster presented at the National Oceanic and Atmospheric Administration (NOAA) Educational Partnership Program (EPP) - 8th Biennial Education and Science Forum, The City College of New York, New York, August 28-31, 2016. First-place winner [Supported by NSF IUSE GEOPATH Grant]

Kleber Perez. Geophysical Application of Multi Wavelength Raman LIDAR Systems. Poster presented at the National Oceanic and Atmospheric Administration (NOAA) Educational Partnership Program (EPP) - 8th Biennial Education and Science Forum, The City College of New York, New York, August 28-31, 2016. [Supported by NSF IUSE GEOPATH Grant]

Kennedy Samarakody. Geophysical Application of Multi Wavelength Raman LIDAR Systems. Poster presented at the National Oceanic and Atmospheric Administration (NOAA) Educational Partnership Program (EPP) - 8th Biennial Education and Science Forum, The City College of New York, New York, August 28-31, 2016. [Supported by NSF IUSE GEOPATH Grant]

Maen Caka. Using LandSat Observations to Monitor Changes of Major Lakes in Last 40 years; Case Study Lakes Manitoba and Dead Sea. Poster presented at the National Oceanic and Atmospheric Administration (NOAA) Educational Partnership Program (EPP) - 8th Biennial Education and Science Forum, The City College of New York, New York, August 28-31, 2016. [Supported by NSF IUSE GEOPATH Grant]

Frederic Anglade. A Proposed Remote Sensing Early Warning Dura Home Earthquake System. Poster presented at the National Oceanic and Atmospheric Administration (NOAA) Educational Partnership Program (EPP) - 8th Biennial Education and Science Forum, The City College of New York, New York, August 28-31, 2016. [Supported by NSF REU Grant]

Amarou Bah. Monitoring Land-Cover Changes in Lake Urmia Basin Using LandSat Imagery. Poster presented at the National Oceanic and Atmospheric Administration (NOAA) Educational Partnership Program (EPP) - 8th Biennial Education and Science Forum, The City College of New York, New York, August 28-31, 2016. [Supported by NSF REU Grant]

Tiffany Chong. Quantitative Analysis of Generation Processes of Greenhouse Gases Emitted From Landfill Sites Using Remote Sensing Data. Poster presented at the National Oceanic and Atmospheric Administration (NOAA) Educational Partnership Program (EPP) - 8th Biennial Education and Science Forum, The City College of New York, New York, August 28-31, 2016. [Supported by NSF REU Grant]

Rezwon Islam. Using Satellite Imagery to Monitor Large Lakes; Case Study Lake Hamun and Lake Eyre. Poster presented at the National Oceanic and Atmospheric Administration (NOAA) Educational Partnership Program (EPP) - 8th Biennial Education and Science Forum, The City College of New York, New York, August 28-31, 2016. [Supported by NSF REU Grant]

Francois Mertil. Retrieving Vegetation Reflectance at Beltsville Using Phothosynthetically Active Radiation (PAR) Sensor and a Spectroradiomater Positioned at an Unmanned Aerial Systems (USA). Poster presented at the National Oceanic and Atmospheric Administration (NOAA) Educational Partnership Program (EPP) - 8th Biennial Education and Science Forum, The City College of New York, New York, August 28-31, 2016. [Supported by NSF REU Grant]

Ricky Santana. An Analytical Study Comparing the Outcomes and Successes of a National Science Foundation Research Experiences for Undergraduates (NSF REU) Program. Poster presented at the National Oceanic and Atmospheric Administration (NOAA) Educational Partnership Program (EPP) - 8th Biennial Education and Science Forum, The City College of New York, New York, August 28-31, 2016. [Supported by NSF REU Grant]

Usaama Van. Quantitative Analysis of Generation Processes of Greenhouse Gases Emitted From Landfill Sites Using Remote Sensing Data. Poster presented at the National Oceanic and Atmospheric Administration (NOAA) Educational Partnership Program (EPP) - 8th Biennial Education and Science Forum, The City College of New York, New York, August 28-31, 2016. [Supported by NSF REU Grant]

Hoyos Manuela, Stern M, Thurston T, Trinklein ND, Wald A, Galloway DA. A Single Human Papillomavirus Vaccine Dose Improves B Cell Memory in Previously Infected Subjects. EBioMedicine. 2016 Aug;10:55-64. doi: 10.1016/j.ebiom.2016.06.042. Epub 2016 Jun 29. [outcome of BIB internship. Previously supported by ESP]

Eric Lewis, Yanna Chen, Ricky Hardiyanto, Boyan Kostadinov, *The Wonders of Digital Art and Fractals: A Project on Visualizations Using R***,** MAA MathFest 2016, Columbus, Ohio, August 3-6, 2016. (This work was supported by a MSEIP Grant from the Department of Education)

Andrew Wills, Thierno A. Diallo, *A Predictive Probability Model for Diabetes Using Logistic Regression on Clinical Data,* Boyan Kostadinov, MAA MathFest 2016, Columbus, Ohio, August 3-6, 2016. (This work was supported by a MSEIP Grant from the Department of Education)

Pasolli E, Truong DT, **Malik Faizan**, Waldron L, Segata N. Machine Learning Meta-analysis of Large Metagenomic Datasets: Tools and Biological Insights. PLoS Comput Biol. 2016 Jul 11;12(7):e1004977. doi: 10.1371/journal.pcbi.1004977. eCollection 2016 Jul. [outcome of BIB internship. Previously supported by READ]

Almond, A. Nobel, A., & **Basdeo, Kimberly.** Intersections of Identifying Features in Medical Practice: Measurement, Outcomes, and the Role of Feminist Identity, Association for Women in Psychology Annual Conference, 2016, Pittsburgh, PA. [Supported by NIH BTB grant]

Alberto Martinez, Ralph Alcendor, **Tanzeen Rahman, Magdalena Podgorny, Ismaila Sanogo and Rebecca McCurdy,** "Ionophoric polyphenols selectively bind Cu^{2+}, display potent antioxidant and anti-amyloidogenic properties, and are non-toxic toward *Tetrahymena thermophila*," *Bioorganic & Medicinal Chemistry*, **2016**, *24*, 3657-3670 [Supported by: IS-LSAMP program Summer 2013. TR, RM Emerging Scholars 2014-2015, MP CRSP 2014-2015]

Janet Liou-Mark, Lin Zhou, Holly Carley, **Carlos Alvarez, Mukadder Cinar,** and **Jeremy Sanchez**. Strengthening Computing Skills through a Peer-Led Mathematics Workshop: A Pilot Study. Oral presentation at the Peer-Led Team Learning International Society 5th Annual

Conference. San Jose City College, San Jose, CA, June 3, 2016. [Supported by DOE MSEIP Grant]

Carlos Alvarez, Mukadder Cinar, Brandow Rojas, Mei Zhu, Ronaldo Carhuaricra, Stephanie Gonzalez, Lamia Mahreen, Anne Therese Yu, Gary Zeng, Janet Liou-Mark and Melanie Villatoro. Peer Leading Strategies through Case Studies. Poster presentation at the Peer-Led Team Learning International Society 5th Annual Conference. San Jose City College, San Jose, CA, June 2, 2016. [Supported by DOE MSEIP Grant]

Abubakarr Jalloh and Melanie Villatoro. Developing a PLTL Workbook with Real World Applications. Poster presentation at the Peer-Led Team Learning International Society 5th Annual Conference. San Jose City College, San Jose, CA, June 2, 2016. [Supported by City Tech Foundation and SGA]

Miguel Gomez, Matthew Henning, Sarah Hambleton and Diana Samaroo. Observations from Peer Leaders: The Rhythm of a General Chemistry Team-Learning Workshop. Poster presentation at the Peer-Led Team Learning International Society 5th Annual Conference. San Jose City College, San Jose, CA, June 2, 2016. [Supported by City Tech Foundation and SGA]

Farjana Shati. Examining Gender and Participation Differences in a PLTL Supported Intermediate Algebra and Trigonometry Course. Poster presentation at the Peer-Led Team Learning International Society 5th Annual Conference. San Jose City College, San Jose, CA, June 2, 2016. [Supported by City Tech Foundation and SGA]

Yen Pham, Satyanand Singh, *Fractional calculus.* MAA Metro NY Section Annual Meeting, May 1st, 2016. Vaughn College of Aeronautics and Technology. (This work was supported by Emerging Scholar program at New York City College of Technology).

Justin James Meyer, Satyanand Singh, *Perfect Power at Different Heights.* MAA Metro NY Section Annual Meeting, May 1st, 2016. Vaughn College of Aeronautics and Technology. (This work was supported by the Bachelor's Research Scholar Program (BRSP) at New York City College of Technology).

Liou-Mark, Janet, **Carlos Alvarez, Ronaldo Carhuaricra, Francois Mertil, and Mei Zhu**. "Training Effective Mathematics Undergraduates for Peer-Led Team Learning Workshops." Oral presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, Vaughn College of Aeronautics and Technology, East Elmhurst, NY, May 1, 2016. [Supported by DOE MSEIP Grant]

Liou-Mark, Janet and **Farjana Shati**. "The Effects of Gender and Participation in an Intermediate Algebra and Trigonometry Course with a Peer-Led Workshop Component." Oral presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, Vaughn College of Aeronautics and Technology, East Elmhurst, NY, May 1, 2016.

Johnson, S., Budny, R. (2016, May 13). *The Future is CAD/CAM.* New York: Northeastern Gnathological Society Spring Meeting: Dental Laboratory Technology Student Poster Presentation. Recipient of $50 scholarship.

Landa, J., Budny, R. (2016, May 13). *Dental Prostheses: Can It Be Avoided.* New York: Northeastern Gnathological Society Spring Meeting: Dental Laboratory Technology Student Poster Presentation. Recipient of $150 scholarship.

Landa, J., Budny, R. (2016, May 13). *Tooth Decay*. New York: Northeastern Gnathological Society Spring Meeting: Dental Laboratory Technology Student Poster Presentation. Recipient of $150 scholarship.

Lopes, K., Budny, R. (2016, May 13). *Zirconia versus Lithium Disilicate*. New York: Northeastern Gnathological Society Spring Meeting: Dental Laboratory Technology Student Poster Presentation. Recipient of $250 scholarship.

Yanna Chen, Hamidreza Norouzi, Satya Prakash (2016) "*Global Drought and Land-Cover/ Land-Use Change Studies Using Satellite Microwave Observations*" Poster presentation, The National Oceanic and Atmospheric Administration (NOAA) Educational Partnership Program (EPP) with Minority Serving Institution (MSI) Eighth Biennial Education and Science Forum, The City College of New York, New York (supported by CUNY SII through Baccalaureate Student Research Scholars Program (BRSP))

Miguel Gomez, Alberto Martinez (2016) "*Study of multi-target directed ligands: Copper binding selectivity and inhibition of reactive oxygen species formation*." Poster presentation, 44th American Chemical Society Middle Atlantic Regional Meeting (MARM 2016), College of Mount Saint Vincent, Riverdale, New York (Supported by the Baccalaureate Student Research Scholars Program)

Sarah Hambleton, Alberto Martinez (2016) "*Copper binding properties and antioxidant ability of multi-target compounds. Implications in the treatment of Alzheimer's disease.*" Poster presentation, 44th American Chemical Society Middle Atlantic Regional Meeting (MARM 2016), College of Mount Saint Vincent, Riverdale, New York (Supported by the Emerging Scholars Program)

Alexandra DePasquale, Diana Samaroo (2016) "*PRELIMINARY STUDIES ON THE INTERACTION OF SUGARLINKED DYES AND A DRUG CARRIER PROTEIN*" Oral presentation, 64th Annual American Chemical Society Research Symposium, Lehman College, New York (supported by Emerging Scholars programs)

Ensemble Noise Filtering for Streaming Data using Poisson Bootstrap Model Filtering
Ashwin Satyanarayana, **Rosemary Chinchilla –** proceedings paper.

13th International Conference on Information Technology : New Generations (ITNG 2016), Las Vegas, NV, April 11th-13th, 2016 [Supported by CUNY SII]

Raffi Khatchadourian, **Olivia Moore**, and Hidehiko Masuhara. Towards improving interface modularity in legacy java software through automated refactoring. In International Workshop on Language Modularity À La Mode. To appear, LaMOD'16. ACM, March 2016. [Supported by LSAMP 2015-2016]

Christian Pinto, Harrison Carranza and Aparicio Carranza, *"Cryptographic Methods For Deciphering/Identifying Ciphers in MATLAB", 14th. LACCEI Annual International Multi Conference For Engineering, Education and Technology: The Summit of Engineering for the Americas", July 20-22, 2016, San Jose, Costa Rica*. (*3rd. Place out of 80 papers*)

Casimer DeCusatis, Aparicio Carranza and **Jean Delgado-Caceres** "Modeling Software Defined Networks Using Mininet", *Proceedings of the International Conference on Computer and Information Science and Technology (CIST16), University of Ottawa, Ottawa, Canada on May 11 - 12, 2016. (**Best Paper Award**)*

Hillstrom, J., Her, P., **Cumma, C., Raimie, S., Ventura, S.**, Cote, E., **Glatzer, D., & Rosales, D.** (2016, March). Gender Differences in Vagal Tone Adaptation in an Expressive Writing Paradigm. Poster presented at the Eastern Psychological Association Annual Conference, New York, NY.

Bah, Amarou. "Monitoring Land-Cover Changes in Lake Urmia Basin Using LandSat Imagery." Poster presentation at the Emerging Researchers National Conference in STEM at the Renaissance Washington, DC Hotel, Washington, DC, February 26, 2016. [Supported by NSF REU Program]

Chen, Yanna. "Can Microwave Emissivity Show US Global Drought Estimates?" Poster presentation at the Emerging Researchers National Conference in STEM at the Renaissance Washington, DC Hotel, Washington, DC, February 26, 2016. [Supported by NSF REU Program]

Mertil, Francois. "Retrieving Vegetation reflectance at Beltsville Using Phothosynthetically Active Radiation (PAR) Sensor and a Spectroradiometer Positioned at an Unmanned Aerial Systems (UAS)." Poster presentation at the Emerging Researchers National Conference in STEM at the Renaissance Washington, DC Hotel, Washington, DC, February 26, 2016. [Supported by NSF REU Program]

Liou-Mark, Janet, **Yanna Chen, Farjana Shati, Rushdha Rafeek,** and **Marieme Toure**. (2016). Increasing Success and Self-Efficacy: Peer Support in First-Year Mathematics Courses. Poster presented at the 35th Annual Conference on The First-Year Experience, Orlando, FL, February 22, 2016. [Supported by Honors and Emerging Scholars Programs]

Islam, Rezwon. "Using Satellite Imagery to Monitor Large Lakes; Case Study Lake Hamun and Lake Eyre." Poster presentation at the American Meteorological Society 96th Annual Meeting: 15th Annual Students Conference at the Eenest N. Morial Convention Center, New Orleans, Louisiana, January 10, 2016. [Supported by NSF REU Program]

Mertil, Francois. "Retrieving Vegetation Reflectance at Beltsville Using Phothosynthetically Active Radiation (PAR) Sensor and a Spectroradiometer Positioned at an Unmanned Aerial Systems (UAS)." Poster presentation at the American Meteorological Society 96th Annual Meeting: 15th Annual Students Conference at the Eenest N. Morial Convention Center, New Orleans, Louisiana, January 10, 2016. [Supported by NSF REU Program]

Santana, Ricky. "An Analytical Study Comparing the Outcomes and Successes of a National Science Foundation Research Experiences for Undergraduates (NSF REU) Program." Poster presentation at the American Meteorological Society 96th Annual Meeting: 15th Annual Students Conference at the Eenest N. Morial Convention Center, New Orleans, Louisiana, January 10, 2016. [Supported by NSF REU Program]

Van, Ussama. "Quantitative Analysis of Generation Processes of Greenhouse Gases Emitted from Landfill Sites Using Remote Sensing Technology." Poster presentation at the American Meteorological Society 96th Annual Meeting: 15th Annual Students Conference at the Ernest N. Morial Convention Center, New Orleans, Louisiana, January 10, 2016. [Supported by NSF REU Program]

Anglade, Francois. "A Proposed Remote Sensing Early Warning Dura Home Earthquake System." Poster presentation at the American Meteorological Society 96th Annual Meeting: 15th Annual Students Conference at the Eenest N. Morial Convention Center, New Orleans, Louisiana, January 10, 2016. [Supported by NSF REU Program]

Bah, Amarou. "Monitoring Land-Cover Changes in Lake Urmia Basin Using LandSat Imagery." Poster presentation at the American Meteorological Society 96th Annual Meeting: 15th Annual Students Conference, New Orleans, Louisiana, January 10, 2016. [Supported by NSF REU Program]

2015

Johnson, S., Budny, R. (2015, November 30). *The Future is CAD/CAM*. New York: 91st Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Scientific Student Poster Session.

Landa, J., Budny, R. (2015, November 30). *Dental Prostheses: Can It Be Avoided*. New York: 91st Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Scientific Student Poster Session.

Landa, J., Budny, R. (2015, November 29). *Tooth Decay*. New York: 91st Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Scientific Student Poster Session.

Lopes, K., Budny, R. (2015, November 30). *Zirconia versus Lithium Disilicate.* New York: 91st Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Scientific Student Poster Session.

Andrew Wills, Diana Samaroo (2015) "*In Vitro Interaction of Glycosylated Photosensitizers with Plasma Proteins*" Oral presentation, 63rd Annual American Chemical Society Undergraduate Research Symposium (URS), Queensborough Community College, New York (supported by LSAMP, Emerging and Honors Scholars programs)

Liou-Mark, J., Dreyfuss, A.E., Han, S., **Yu, Karmen.T.,** Yuen-Lau, L. (2015). AIM for Success: Peer-Led Team Learning supports First-Year Transition to College-Level Mathematics. *Journal of Learning Development in Higher Education (Special Edition: Peer Assisted Learning).* [Supported by CUNY Compact Funds]

Blake, R., Liou-Mark, J., Blackburn, N., **Chan, Christopher**. & Yuen-Lau, L. (2015). Engaging Undergraduates in the New York City S-SAFE Internship Program: An Impetus to Raise Geoscience Awareness. *Journal of Geoscience Education*, 63(3), 176-184. [Supported by NSF OEDG Program]

Han, S., Liou-Mark, J. **Yu, Karmen.T., Zeng, Suhua**. (2015). Self-efficacy and Attitudes towards Mathematics of Undergraduates: A U.S. and Taiwan Comparison. *Journal of Mathematics Education*, 8(1), 1-15. . [Supported by BMI and Emerging Scholars]

Bah, Amarou. & Islam, Rezwon. "Using Satellite Imagery to Monitor the Major Lakes; Case Study Lake Hamun." Poster presentation at the American Geophysical Union 2015 Fall Meeting at the Moscone Center, San Francisco, CA, December 14, 2015. [Supported by NSF REU Program]

Chen, Yanna. "Potential of Using Microwave Emission in Global Analysis of Land Cover and Drought State." Poster presentation at the American Geophysical Union 2015 Fall Meeting at the Moscone Center, San Francisco, CA, December 14, 2015. [Supported by NSF REU Program]

Liou-Mark, J., Dreyfuss, A.E., **Ahmed, Mursheda., Chan, Christopher., & Yu, Karmen.T.** (2015). Peers inspiring peers: Why a summer bridge-to-college program benefits from this partnership. *2014 Conference Proceedings of the Peer-Led Team Learning International Society*, May 29-31, 2014, California State University Dominguez Hills, www.pltlis.org; ISSN 2329-2113. [Supported by City Tech Foundation]

Joyce Tam, Ozlem Yasar. "Effects of Lindenmayer System Parameters on Engineered Tissue Designs" Poster presentation at the 6th International Conference of Biomaterials and Tissues, Waikoloa, Hawaii, December 6, 2015. (supported by Dean's Office, CRSP and Emerging Scholars programs)

Uddin,Rufshana, Shairzai, Hanifa, "The Economics of Dental Care Visits and Preventative Services" Presented at the Greater NY Dental Meeting, November 29, 2015. Mentor Susan Nilsen Kupsch, Dental Hygiene Department

Frankovic, Judit, Kondratenko, Iryna, " Peri-Implantitis" Presented at the Greater NY Dental Meeting, November 29,2015. Mentor Susan Nilsen Kupsch, Dental Hygiene Department

Whyte, Androf, Shpindler, Iryna, Zhang, Ying, "Salivaomics", Presented at the Greater NY Dental Meeting, November 29,2015. Mentor Susan Nilsen Kupsch, Dental Hygiene Department

Arturo Murillo, Binils Starly, Ozlem Yasar, "Fabrication of Lindenmayer System-Based Designed Engineered Scaffolds Using UV-Maskless Photolithography." Oral presentation at the 2015 MRS Fall Meeting and Exhibit, Boston, Massachusetts, November 29, 2015 (supported by Dean's Office). A. Murillo was supported by the Emerging Scholars Program

Aparicio Carranza, **German Calle, Gin Pena, Jose Camacho, Harrison Carranza, Yeraldina Estrella** "Conducting and Identifying Penetration Testing Attacks Using Linux Based Systems", 10th International Conference on Systems and Networks Communications (ICSNC 2015), November 15 - 20, 2015, Barcelona, Spain.

Lukasz Golebiewski and Aparicio Carranza "*Mobile Penetration Testing System with Kali Linux on Raspberry PI 2*", Presented at the IEEE Workshop at SUNY – New Paltz, November 12th 2015.

German Calle and Aparicio Carranza "*Linux Based Systems for Conducting and Identifying Penetration Attacks*", Presented at the IEEE Workshop at SUNY – New Paltz, November 12th 2015.

Casimer DeCusatis, Aparicio Carranza, **Alassane Ngaide, Sundas Zafar, Nestor Landaez** "Methodology for Open Digital Forensics Model Based on CAINE", 15th IEEE International Conference on Computer and Information Technology (CIT-2015), October 26 - 28, 2015, Liverpool, England, UK.

Aparicio Carranza, **Harrison Carranza** and Sunghoon Jang "Network Security Via Cryptographic Validity", New York Cyber Security and Engineering Technology Association (NYSETA) Conference, October 22 - 23, 2015, Rochester Institute of Technology (RIT), Rochester, NY.

Aparicio Carranza, **Harrison Carranza, Rachel Rackal** and **Christopher Robledo** "The Combination of BeagleBone & Kali Linux for Wireless Attacks", Poster Presentation at New York Cyber Security and Engineering Technology Association (NYSETA) Conference, October 22 - 23, 2015, Rochester Institute of Technology (RIT), Rochester, NY.

Chen, Yanna. "The Feasibility Study of Using Microwave Emission in Detecting Drought and Land-Cover Change Studies" Poster presentation at the Society of Hispanic Professional

Engineers (SHPE) Annual Conference at the Hilton Baltimore, Baltimore, Maryland, November 13, 2015. [Supported by NSF REU Program]

Md. Arefin and Raffi Khatchadourian. Porting the netbeans java 8 enhanced for loop lambda expression refactoring to eclipse. In *Companion Proceedings of the 2015 ACM SIGPLAN International Conference on Systems, Programming, Languages and Applications: Software for Humanity*, SPLASH Companion 2015, pages 58–59, New York, NY, USA, October 2015. ACM. (Supported by the Emerging Scholars program)

AMAROU BAH, REZWON ISLAM, HAMID NOROUZI, AMIR AGHAKOUCHAK, "Using Satellite Imagery to Monitor the Major Lakes; Case Study Lake Hamun", LSAMP, University of Texas at El Paso from September 10-13, 2015

Mertil, Francois. "Retrieving Vegetation Reflectance at Beltsville Using Phothosynthetically Active Radiation (PAR) Sensor and a Spectroradiomater Positioned at an Unmanned Aerial Systems (UAS)." Poster presentation at the Louis Stokes Alliance for Minority Participation Student Research Conference at the University of Texas in El Paso, El Paso, Texas, September 11, 2015. [Supported by NSF REU Program]

Magdalena Podgorny, Suresh Tewani and Alberto Martinez (2015, May 9th). "*Use of Chelating Polyphenols to Re-dissolve Amyloid-□ Aggregates. Potential Implications in the Treatment of Alzheimer's Disease.*" Oral presentation at the 63rd Annual New York Section ACS Undergraduate Research Symposium. Queensborough Community College, Queens, New York City (supported by 2014-2015 CUNY Research Scholars Program)

Nathan, Jodie, Susan Davide, Mentor. "*Toothbrushing in Relation to Meal Consumption*." Access Vol 29 (8), Sept-Oct 2015: 18-19, 33. (Supported by Honors Scholars spring 2013).

Yeraldina Estrella, Aparicio Carranza, **Casimer DeCusatis**, "Comparing Performance of Physical and Virtual Environment Penetration Testing Using Kali Linux", 13th. LACCEI Annual International Conference: "Engineering Education Facing the Grand Challenges, What Are We Doing?", July 29 - 31, 2015, Santo Domingo, Dominican Republic. (*Was supported by NSF - STEM Grant*)

Rachel Rackal, Christopher Robledo, Aparicio Carranza,"*The Integration of BeagleBone and Kali Linux for Wireless Network Attacks*", Enterprise Computing Community Conference (ECCC), Poughkeepsie, NY, June 14 – 16, 2015.

Harrison Carranza, Aparicio Carranza and Jose Reyes Alamo, "The Affordable Supercomputer", Enterprise Computing Community Conference (ECCC), Poughkeepsie, NY, June 14 – 16, 2015.

Md Arefin and Raffi Khatchadourian. 2015. Porting the netbeans java 8 enhanced for loop lambda expression refactoring to eclipse. In Proceedings of the companion publication of the

2015 ACM SIGPLAN conference on Systems, Programming, and Applications: Software for Humanity (SPLASH '15). To appear. ACM, New York, NY, USA. (former BMI Research (fall 2014), Emerging Scholar (spring 2013, fall 2013, fall 2014, spring 2015, Honors Scholars – spring 2015), sponsored by Google Summer of Code 2015

Francisco, M., Budny, R. (2015, May 8). *Teeth Mysteries*. New York: Northeastern Gnathological Society Spring Meeting: Dental Laboratory Technology Student Poster Presentation. Recipient of $150 scholarship.

Nia S., Budny, R. (2015, May 8). *Color, Esthetic & Dentistry*. New York: Northeastern Gnathological Society Spring Meeting: Dental Laboratory Technology Student Poster Presentation. Recipient of $250 scholarship.

Amarou Bah, A.E. Dreyfuss, Sandie Han, **Rezwon Islam**, Janet Liou-Mark, and **Francois Mertil**. "Courses with Peer Led Workshops: Examining Mathematics Self-Efficacy, Task Value, and Goal Orientation." Oral presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, New York City College of Technology, Brooklyn, New York, May 3, 2015.

Ariane Masuda, **Silma Samayeen**, and **Ling Yang**. "A Model of Gas Exchange in the Lung." Poster presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, New York City College of Technology, Brooklyn, New York, May 3, 2015.

Satyanand Singh and **Rezwon Islam.** "Fourier's Gift." Poster presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, New York City College of Technology, Brooklyn, New York, May 3, 2015.

Victor Adedara, Bryan Cespedes, Andrew Cook, Farjana Ferdosy, Edrouine Gabriel, Natassa Gavalas, Urmi Ghosh-Dastidar, Sandie Han, Diana Samaroo, **Eni Sejdini,** Liana Tsenova, **Erica Yeboah,** and **Mallessa Yeboah.** "The SENCER Prospect Park Biodiversity Project." Poster presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, New York City College of Technology, Brooklyn, New York, May 3, 2015.

Victor Adedara, Bryan Cespedes, Andrew Cook, Farjana Ferdosy, Edrouine Gabriel, Natassa Gavalas, Urmi Ghosh-Dastidar, Sandie Han, Diana Samaroo, **Eni Sejdini,** Liana Tsenova, **Erica Yeboah,** and **Mallessa Yeboah.** "The SENCER Prospect Park Biodiversity Project: What Do We Learn about Our Environment?" Oral presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, New York City College of Technology, Brooklyn, New York, May 3, 2015.

Steven Tipton and Boyan Kostadinov. "An Interactive App for Computing and Visualizing Key Statistics of Various Probability Distributions." Oral presentation at the annual meeting of the

Metropolitan New York Section of the Mathematical Association of America, New York City College of Technology, Brooklyn, New York, May 3, 2015.

Joe Nathan Abellard, A.E. Dreyfuss, Janet Liou-Mark, **Andrew Maloney, Rushdha Rafeek, Ricky Santana, Jeremy Sanchez,** and **Farjana Shati**. "Courses with Peer-Led Workshops: Examining Gender Differences in Self-Efficacy Towards Mathematics." Oral presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, New York City College of Technology, Brooklyn, New York, May 3, 2015.

Victor Adedara, Bryan Cespedes, Andrew Cook, Farjana Ferdosy, Edrouine Gabriel, Natassa Gavalas, Urmi Ghosh-Dastidar, Sandie Han, Diana Samaroo, **Eni Sejdini,** Liana Tsenova, **Erica Yeboah,** and **Mallessa Yeboah.** "The SENCER Prospect Park Biodiversity Project: An Interdisciplinary Learning Approach." Oral presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, New York City College of Technology, Brooklyn, New York, May 3, 2015.

Nadia Stoyanova Kennedy, **Saloua Daouki**, and **Rushdha Rafeek**. "An Exploration of Urban Undergraduate Students' Identities as Math Learners." Poster presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, New York City College of Technology, Brooklyn, New York, May 3, 2015 (Spring 2015 Emerging Scholars participants)

Holly Carley and **Marie Celius**. "Interest in Interest." Oral presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, New York City College of Technology, Brooklyn, New York, May 3, 2015.

G. Gailani, **Rachid Moumni**, and M. Brahimi, 2015. "Contact analysis for coupling of plates and screws in fracture fixation of cortical bone". *Advances in Research*, *Science Domain,* V(4), issue 2, pp 94 – 101. DOI:10.9734/AIR/2015/14189

G. Gailani, **Rachid Moumni**, 2015. "Mechanical Analysis of Fracture Fixation of Long Bones using LCP and DCP for Fixation". Biomedical Engineering Society/FDA Conference on Medical Devices. Maryland, May 2015. (supported by 2014-2015 CUNY Research Scholars Program)

George Cheng, Calvin Ly, Alex Barbaran , Farrukh Zia, Yu Wang, "Mobile Reconaissance Device" Poster presented at American Society for Engineering Education (ASEE) Northeast Conference 2015 (April 30 – May 2, 2015). Sponsored by City Tech Foundation

Calvin Ly, Alassane Ngaide, Yu Wang, Sunghoon Jang, "A digital piano designed using VHDL and FPGAs Device" Poster presented at American Society for Engineering Education (ASEE) Northeast Conference 2015 (April 30 – May 2, 2015). Alassane Ngaide was supported by NSF S-STEM program.

Washington Sarmiento, Elvin Bautista, Gin Pena, Yu Wang, Farrukh Zia, Ohbong Kwon, "Elderly Independence," poster presented at American Society for Engineering Education

(ASEE) Northeast Conference 2015 (April 30 – May 2, 2015). Sponsored by City Tech ACM Chapter

Ozlem Yasar, Masato R. Nakamura, **Joyce Tam***,* Investigation of Scaffold Fabrication Techniques: Tissue Engineering for Reducing Medical Waste and the Environmental Impacts, Poster Presentation at 2015 International Conference on Solid Waste Technology and Management, March 15-18, Philadelphia, PA

Ozlem Yasar, Masato R. Nakamura, **Shalman Ahmed**, Investigation of Scaffold Fabrication Techniques: Tissue Engineering for Reducing Medical Waste and the Environmental Impacts, Oral presention at the International Conference on Solid Waste Technology and Management, Philadelphia, PA, March 15-18, 2015.

L. V. Abdurakhimov, **M. Arefin**, G. V. Kolmakov, A. A. Levchenko, Yu. V. Lvov, and I. A. Remizov. Bidirectional *energy cascade in surface capillary waves*. Physical Review E vol. 91, paper# 023021, 27 February 2015.
http://journals.aps.org/pre/abstract/10.1103/PhysRevE.91.023021 (accessed March 2015)

Andy He , Roman Ya. Kezerashvili , German V. Kolmakov*. *A quantum interferometer for studies of the exciton and polariton drag effects*; poster presentation at the American Physical Society March meeting 2015, San Antonio, TX, March 2-6, 2015.
http://meeting.aps.org/Meeting/MAR15/Session/H1.309 (accessed March 2015)

Alexander Berger and **Thierno Adouma Diallo**, *Studying Brain Connectivity using Weighted Graph Comparison*, Poster presentation at the Joint Mathematics Meeting, San Antonio, TX, January 10-13, 2015.

Alexander Berger, Thierno Adouma Diallo, and Urmi Ghosh-Dastidar, City Tech Foundation grant, 2014-2015 ($1360) for presenting at the Joint Mathematics Meeting, San Antonio, TX, January 10-13, 2015.

Yanna Chen. *Detection of Land Cover Change and Drought Trend Using Brightness Temperature and Microwave Emission*. American Meteorological Society 95th Annual Meeting, 14th Annual Student Conference, Phoenix, AZ, January 4, 2015. (NSF REU Grant and JFEW Scholar)

Brittiny Dhital. *Spatial Variability of Ambient Ozone Concentrations during 3 Heat Waves in the Northeast Megaregion of the United States*. American Meteorological Society 95th Annual Meeting, 14th Annual Student Conference, Phoenix, AZ, January 4, 2015. (NSF REU Grant and JFEW Scholar)

Francois Mertil. *Comparison of Two Different Types of Ceilometers.* American Meteorological Society 95th Annual Meeting, 14th Annual Student Conference, Phoenix, AZ, January 4, 2015. (NSF REU Grant)

M. Martin and V. Acquaviva, Classification of Low/High Redshift Galaxies Using Machine Learning", poster presentation, 225 American Astronomical Society meeting, Seattle, WA, January 4-8, (2015); sponsored by NSF-supported grant "AstroComNYC".

2015

Skoko-Dobryanski S., S. Didari, H. Norouzi, R. Blake A Seasonal Investigation of Heat Fluxes in the New York City Region American Meteorological Society 95thAnnual Meeting 14thAnnual Student Conference, Phoenix, AZ, January 3-4, 2015.

Chen Y.,H. Norouzi, A. AghaKouchak, M. Bhambri, R. Blake. "Detection of Land Cover Change and Drought Trend Using Brightness Temperature and Microwave Emission", Emerging Researchers National (ERN) Conference in STEM, Washington, DC, February 19-21, 2015.

Skoko-Dobryanski S., S. Didari, H. Norouzi, A Seasonal Investigation of Heat Fluxes in the New York City Region Emerging Researchers National (ERN) Conference in STEM, Washington, DC, February 19-21, 2015.

2014

Francisco, M., Budny, R. (2014, November 30). Teeth Mysteries. New York: 90th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Scientific Student Poster Session.

Nia S., Budny, R. (2014, November 30). Color, Esthetic & Dentistry. New York:90th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Scientific Student Poster Session.

Diana Samaroo, **Evelyn Perez**, Amit Aggarwal, **Andrew Wills**, Naphtali O'Connor, "*Strategies for Delivering Porphyrinoid-based Photosensitizers in Therapeutic Applications*." Therapeutic Delivery (2014) 5(7), 859-872.

Daniela Viviana Vladutescu, Bomidi Madhvan, Barry Gross, **Antonio Aguirre,** Fred Moshary, Samir Ahmed, Mohammad Razani and Reginald Blake, "Assessment of Langley and NASA GISS calibration techniques for MFRSR aerosol retrieval", IEEE Geoscience and Remote Sensing, vol. 52, Issue 9, DOI: 10.1109/TGRS.2013.2293633, 2014.

Yanna Chen. *Detection of Land Cover Change and Drought Trend Using Brightness Temperature and Microwave Emission*. Emerging Researchers National Conference in STEM, Washington, DC, February 19 -21, 2014. (NSF REU Grant and JFEW Scholar)

Yanna Chen. *Potential of Using Microwave Emission in Global Analysis of Land Cover and Drought State.* American Geophysical Union Fall Meeting, San Francisco, CA, December 15, 2014. (NSF REU Grant and JFEW Scholar)

Alexander Flores, Dante Piure and Aparicio Carranza "*CloudStack and OpenStack Battle for Network Storage*", Presented at the IEEE Workshop at SUNY – New Paltz, November 6th 2014.

Sundas Zafar, Aparicio Carranza "*Penetration Testing Using Kali Linux Within VMware Virtual Networks*", Presented at the IEEE Workshop at SUNY – New Paltz, November 6th 2014.

Aparicio Carranza, **Julio Tax**, José M. Reyes Álamo. "*Building a Future in SDN with one Controller*", Enterprise Computing Community Conference (ECCC), Poughkeepsie, NY, June 2014

Fabiola Fontaine, Minni Lam, Wing Pan Kenny Tsang, and Davida S. Smyth, "Microbiology of the Built Environment: The changing microbiome of New York City College of Technology." Annual Biomedical Research Conference for Minority Students, San Antonio, Texas, 12-15th November 2014.

Janet Liou-Mark, A. E. Dreyfuss, **Rezwon Islam**, and **Ricky Santana**. *Peer to peer: Academic support through a summer mathematics bridge program*. The Mathematical Association of America Joint Meeting of the New Jersey and Metro New York Sections, Saint Peter's University, Jersey City, NJ, November 1, 2014.

Janet Liou-Mark, A. E. Dreyfuss, Sandie Han, **Joe Nathan Abellard**, **Mursheda Ahmed**, and **Francois Mertil**. *Peer To peer: Academic support through the peer-led team learning instructional model.* The Mathematical Association of America Joint Meeting of the New Jersey and Metro New York Sections, Saint Peter's University, Jersey City, NJ, November 1, 2014.

Francois Mertil. *Comparison of Two Different Ceilometers (CT 12 and CL 31).* National Oceanic and Atmospheric Administration (NOAA) Educational Partnership Program (EPP) 7th Biennial Education and Science Forum. University of Maryland in Eastern Shore, Princess Anne, MD, October 28, 2014. (NSF REU Grant)

Md Arefin. *Boundary layer Heights in Heterogeneous Topography.* University of Texas System Louis Stokes Alliance for Minority Participation Student Research Conference. University of Texas in El Paso, El Paso, TX, September 26, 2014. (NSF REU Grant)

Francois Mertil. *Comparison of Two Different Ceilometers (CT 12 and CL 31).* University of Texas System Louis Stokes Alliance for Minority Participation Student Research Conference. University of Texas in El Paso, El Paso, TX, September 26, 2014. (NSF REU Grant)

Yanna Chen. *Potential of Using Microwave Emission in Global Analysis of Land Cover and Drought State.* University of Texas System Louis Stokes Alliance for Minority Participation

Student Research Conference. University of Texas in El Paso, El Paso, TX, September 26, 2014. (NSF REU Grant and JFEW Scholar)

Brittiny Dhital. *Spatial Variability in Ozone, Temperature, Precipitation, and Solar Radiation and Impact on Human Health in the Northeast United States.* University of Texas System Louis Stokes Alliance for Minority Participation Student Research Conference. University of Texas in El Paso, El Paso, TX, September 26, 2014. (NSF REU Grant and JFEW Scholar)

Urmi Ghosh-Dastidar, Eugene Fiorini, and **Steven Miguel Lora**, *Connectance, Robustness, and the Hudson River Food Web*, Published in the Proceedings of Business and Applied Sciences, Academy of North America, June 19-21, 2014, Mahwah, NJ.

Liou-Mark, Janet, A.E. Dreyfuss, **Mursheda Ahmed, Christopher Chan**, and **Karmen Yu**. "Peers Inspiring Peers: Why a Summer Bridge-to-College Program Benefits from this Partnership" Paper presented at the 3rd Annual Meeting of the Peer-Led Team Learning International Society, California State University-Dominguez Hills
Carson, California, May 31, 2014.

Ayesha Rasool and Davida S. Smyth. "Promoting Critical Thinking Through Bloom's Taxonomy in Biology 1101 Peer-Led Workshops." Oral presentation presented at the 3rd Annual Meeting of the Peer-Led Team Learning International Society, California State University-Dominguez Hills, Carson, California, May 30, 2014.

Andris Pinkhasik. "Use of Reflective Strategies to Develop Problem-solving, Reading, and Writing in a Laboratory Course in Electro-Mechanical Technology." Oral presentation presented at the 3rd Annual Meeting of the Peer-Led Team Learning International Society, California State University-Dominguez Hills, Carson, California, May 30, 2014.

Joe Nathan Abellard. "How do Students in Mathematics (MAT1175) Benefit from Vygotsky's Zone of Proximal Development?" Poster presented at the 3rd Annual Meeting of the Peer-Led Team Learning International Society, California State University-Dominguez Hills, Carson, California, May 29-31, 2014.

Roger Brian Mason. "How Can a Peer-Led Workshop in Statics Play a Role in the Development of First-Generation College Students?" Poster presented at the 3rd Annual Meeting of the Peer-Led Team Learning International Society, California State University-Dominguez Hills, Carson, California, May 29-31, 2014.

Carolina Mata. "What is the Role of the Peer Leader in Helping Students Develop Perseverance in a Statics I workshop?" Poster presented at the 3rd Annual Meeting of the Peer-Led Team Learning International Society, California State University-Dominguez Hills, Carson, California, May 29-31, 2014.

Andris Pinkhasik. "How Can the Peer Leader Develop Students' Understanding of Instructions in a Laboratory Course in Electro-Mechanical Technology?" Poster presented at the 3rd Annual

Meeting of the Peer-Led Team Learning International Society, California State University-Dominguez Hills, Carson, California, May 29-31, 2014.

Ayesha Rasool. "What Reading Strategies Support Student Learning in a Biology 1101 Workshop?" Poster presented at the 3rd Annual Meeting of the Peer-Led Team Learning International Society, California State University-Dominguez Hills, Carson, California, May 29-31, 2014.

Julia Rivera. "Group Formation and its Effects in a Math Workshop." Poster presented at the 3rd Annual Meeting of the Peer-Led Team Learning International Society, California State University-Dominguez Hills, Carson, California, May 29-31, 2014.

Ricky Santana. "How Can Peer Leader Help Students Create Habits of Perseverance in College Algebra / Geometry?" Poster presented at the 3rd Annual Meeting of the Peer-Led Team Learning International Society, California State University-Dominguez Hills, Carson, California, May 29-31, 2014.

V. Acquaviva, E. Gawiser, A. Leung and **M. Martin**, "Low/High redshift classification of emission line galaxies in the HETDEX survey", Statistical Challenges in 21st Century Cosmology, Proceedings of the International Astronomical Union, IAU Symposium, Volume 306, pp. 365-368, Lisbon (Portugal), May 2014.

Andrew Wills and Diana Samaroo (May 3, 2014). "*The Interaction of Porphyrin Related Compounds with Proteins"* Oral presentation at the New York Section ACS Undergraduate Research Symposium. Saint John's University, Queens, New York City

Liou-Mark, Janet, Sandie Han, A.E. Dreyfuss, **Loudia Desir, Julia Rivera, Jian Sun, Suhua Zeng**, and Vanessa Gonzalez. "Foundational Math Courses: Why Use Peer Support?" Oral presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, Nassau Community College, Garden City, New York, May 3, 2014.

Steve Tipton and Satyanand Singh, "Simulations as a Predictor of the Finite Sums of Fractional Powers of Uniform Distributions," The Mathematical Association of America Metropolitan New York Section 2014 annual meeting, Nassau Community College, May 3, 2014

Ismaila Sanogo and Alberto Martinez (May 3, 2014). Synthesis, Characterization and Metal Chelating Properties of a Resveratrol Analogue. Ability to Inhibit Copper-Induced Reactive Oxygen Species (ROS) Formation. Oral presentation at the New York Section ACS Undergraduate Research Symposium. Saint John's University, Queens, New York City

Liou-Mark, Janet, A.E. Dreyfuss, **Joe Nathan Abellard, Rezwon Islam, Ayesha Rasool, Julia Rivera, Ricky Santana, Ronald Suarez**. "Models of Undergraduate Tutoring in STEM Education-What Works?" Invited oral presentation and panelists at the STEM C^2 Research Summit, Bergen Community College, Paramus, New Jersey, April 11, 2014.

Liou-Mark, Janet, Reginald A. Blake, **Felicia Francis, Benjamin Joseph**, and Awolou Sossa. "Models of Undergraduate Student Research in STEM Education-What Works?" Invited oral presentation and panelists at the STEM C^2 Research Summit, Bergen Community College, Paramus, New Jersey, April 11, 2014.

Zafar, S., **Carranza, A.**, "*Motion Detecting Camera Security System with Email* Notifications and Live Streaming Using Raspberry Pi", ASEE Zone 1 Conference American Society for Engineering Education, University of Bridgeport, Bridgeport, CT. April 4 - 5, 2014. http://aseene.org/proceedings/2014/Student%20Papers/218.pdf

Djafar K. Mynbaev and **Vitaly Sukharenko**, "Plasmonics for Optical Communications: The Use of Graphene for Optimizing Coupling Efficiency" (invited), *Ninth International Conference on Devices, Circuits and Systems (ICCDCS 2014)*, Playa del Carmen, México, April 2-4, 2014

Lales, C., Carranza, A., "*Using the Raspberry Pi to establish a Virtual Private Network (VPN) Connection to a Home Network",* ASEE Zone 1 Conference American Society for Engineering Education, University of Bridgeport, Bridgeport, CT. April 4 - 5, 2014. http://asee-ne.org/proceedings/2014/Student%20Papers/226.pdf

Jhonatan Alvizurez "Statistical Analysis between Soil Wetness Variational Index and Precipitation," American Meteorological Society 94th Annual Meeting, 13th Annual Student Conference, Atlanta, Georgia, February 2, 2014.

Felicia Francis, "The Effects of Global Warming on Temperature and Precipitation Trends in Northeast America. American Meteorological Society 94th Annual Meeting, 13th Annual Student Conference, Atlanta, Georgia." February 2, 2014.

Benjamin Joseph, "Validation and Calibration of the SWAT and SNTHERM Model." American Meteorological Society, 94th Annual Meeting, 13th Annual Student Conference, Atlanta, Georgia, February 2, 2014.

GuanNian Zeng, "Inter-Annual Comparison of Satellite Passive Microwave Data with Ground based Radiometric Measurements." American Meteorological Society 94th Annual Meeting, 13th Annual Student Conference, Atlanta, Georgia, February 2, 2014.

Felicia Francis, "Trends in Precipitation and Temperature in Northeast America the Past Forty Years." Emerging Researchers National Conference in STEM, Washington, D.C. February 21-22, 2014.

GuanNian Zeng, "Comparison of Satellite Microwave Data with Ground Based Radiometric Data." Emerging Researchers National Conference in STEM, Washington, D.C. February 21-22, 2014.

2013

Dreyfuss, A.E., Janet Liou-Mark, **Joe Abellard, Rahman Bakare, Frank Chendjou, Juliet Dramadri, Abel Fernandez, Yanira Garcia, Renautha Rose, Awolou Sossa & Bingjing Zheng**. "Overcoming Challenges in a Peer-Led Mathematics Work Space." Oral presentation at the New York State Mathematics Association of Two-Year Colleges Region IV Conference, New York City College of Technology, Brooklyn, NY, October 20, 2013.

Eugene Fiorini and Urmi Ghosh-Dastidar, *Sustainability and Graph Theory*, MAA NREUP 2013 grant REU scholars: Sergio Alphonso, Sandoval Escobedo, **Adam Ibrahim (City Tech student)**, **Alan Jara (City Tech student)**, Leonard Lopez, June 3 – July 26, 2013, DIMACS (Center for Discrete Mathematics and Computer Science), Rutgers University, NJ, (http://www.maa.org/programs/faculty-and-departments/underrepresented-groups/nreup/rutgers-university-2013).

Ahmed, Mursheda, Frederic Anglade, Janet Liou-Mark, and Jodi Ann Young. "Strengthening Foundational Mathematics Courses through the Implementation of Peer-Led Workshops," Paper Presented at the 2nd Annual Meeting of the Peer-Led Team Learning International Society, Houston, Texas, June 1, 2013.

Dreyfuss, A.E., **GuanNian Zeng, Yanna Chen**, Janet Liou-Mark, **Mursheda Ahmed, Frederic Anglade, Yanira Garcia, Yineng Liang, Khalil Rouchdy, Jodi-Ann Young, and Suhua Zeng**. "The Experience of Peer Leadership and Its Impact on STEM Success." Paper presented at the 2nd Annual Meeting of the Peer-Led Team Learning International Society, Houston, Texas, June 1, 2013.

Villatoro, Melanie, **Yineng "Alex" Liang, and Khalil Rouchdy** . "Building a Community among Engineering Students." Poster presented at the 2nd Annual Meeting of the Peer-Led Team Learning International Society, Houston, Texas, June 1, 2013.

Dreyfuss, A.E., **GuanNian Zeng, Yanna Chen,** Janet Liou-Mark, **Mursheda Ahmed, Frederic Anglade, Yanira Garcia, Yineng "Alex" Liang, Khalil Rouchdy, Jodi-Ann Young, Suhua Zeng.** "The Experience of Peer Leadership and Its Impact on STEM Success." Poster presented at the 2nd Annual Meeting of the Peer-Led Team Learning International Society, Houston, Texas, June 1, 2013.

Yanna Chen. "How can students in a mathematics workshop be motivated to raise their expectations of their performance?" Poster presented at the 2nd Annual Meeting of the Peer-Led Team Learning International Society, Houston, Texas, June 1, 2013.

Yanira Garcia. "How can the workshop setting support female students to persevere In a college algebra and trigonometry course?" Poster presented at the 2nd Annual Meeting of the Peer-Led Team Learning International Society, Houston, Texas, June 1, 2013.

Khalil Rouchdy. "What Can the Peer Leader Do To Increase Female Involvement in a Statics Workshop?" Poster presented at the 2nd Annual Meeting of the Peer-Led Team Learning International Society, Houston, Texas, June 1, 2013.

Frederic Anglade. "What techniques can the Peer Leader use to support students' learning in workshop?" Poster presented at the 2nd Annual Meeting of the Peer-Led Team Learning International Society, Houston, Texas, June 1, 2013.

A.E. Dreyfuss, Janet Liou-Mark, **Frederic Anglade, Khalil Rouchdy,& Awolou Sossa**. "The Implementation of Peer-Led Team Learning Workshops in STEM Courses." Oral presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, Farmingdale State College, SUNY, Farmingdale, New York, May 5, 2013.

A.E. Dreyfuss, Janet Liou-Mark, Jodi Ann Young, & **Karmen Yu**. "Summer Bridge Programs: Preparing Minority STEM Students for the First Year of College." Oral presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, Farmingdale State College, SUNY, Farmingdale, New York, May 5, 2013.

Blake, Reginald, A.E. Dreyfuss, Sandie Han, Reneta Lansiquot, Janet Liou-Mark, **Mursheda Ahmed, Carolina Mata, Denice Santos, Karmen Yu, & Suhua Zeng.** "The Navigation by Mentoring and Leadership Project: Empowering Women through Peer-Led Workshops." Oral presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, Farmingdale State College, SUNY, Farmingdale, New York, May 5, 2013.

Guan Nian Zeng, Time Series Analysis of Brightness Temperature in the Northeastern United States Using SNTHERM and HUT Snow Emission Model. University of Texas System Louis Stokes Alliance for Minority Participation Student Research Conference. The University of Texas at the Permian Basin, Midland/Odessa, Texas, September 20, 2013.

Jhonatan Alvizurez, Lag-correlation Analysis Between Precipitation and Soil Wetness Variational Index: A Case Study For the April 2013 Flood Event in Argentina. University of Texas System Louis Stokes Alliance for Minority Participation Student Research Conference. The University of Texas at the Permian Basin, Midland/Odessa, Texas, September 20, 2013.

Benjamin Joseph, Evaluation and Calibration of the SWAT Hydrological Model and the SNTHERM Snowpack Model in the Watersheds of Cannonsville, NY. University of Texas System Louis Stokes Alliance for Minority Participation Student Research Conference. The University of Texas at the Permian Basin, Midland/Odessa, Texas, September 20, 2013.

Felicia Francis, Trends in Precipitation & Temperature in Northeast America. University of Texas System Louis Stokes Alliance for Minority Participation Student Research Conference. The University of Texas at the Permian Basin, Midland/Odessa, Texas, September 20, 2013.

Renautha Rose, Incorporating Machine Learning Algorithms in Today's Classroom. University of Texas System Louis Stokes Alliance for Minority Participation Student Research Conference. The University of Texas at the Permian Basin, Midland/Odessa, Texas, September 20, 2013.

Felicia Francis, The Effects of Global Warming on Temperature & Precipitation Trends in Northeast America. Abstract A23F-0341 at 2013 Fall Meeting, American Geophysical Union Conference , San Francisco, California, December 9 – 13, 2013.

Benjamin Joseph, Validation and Calibration of the SWAT Hydrological Model and SNTHERM Snowpack Model in Watersheds of Cannonsville, New York. Abstract H31F-1264 at 2013 Fall Meeting, American Geophysical Union Conference, San Francisco, California, December 9 - 13, 2013.

Renautha Rose, Teaching High School Students Machine Learning Algorithms to Analyze Flood Risk Factors in River Deltas. Abstract ED33D-0809 at 2013 Fall Meeting, American Geophysical Union Conference, San Francisco, California, December 9 – 13, 2013.

Jhonatan Alvizurez, Lag-Correlation analysis of the April 2013 flood event in Argentina. Abstract H43I-1582 at 2013 Fall Meeting, American Geophysical Union Conference, San Francisco, California, December 9 - 13, 2013.

GuanNian Zeng, Inter-Annual Comparison of Satellite Passive Microwave Data With Ground based Radiometric Measurements. Abstract H43G-1535 at 2013 Fall Meeting, American Geophysical Union Conference, San Francisco, California, December 9 - 13, 2013.

Chan, C. M., Budny, R. (2013, December 1). *Metal vs. Porcelain Restorations*. New York: 89th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Feliz, Y., Budny, R. (2013, December 1). *Bar Attachment Systems*. New York: 89th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Norouzi, H., A. AghaKouchak, K. Madani, A. Mirchi, A. Farahmand, **C. Conway**, "Monitoring Changes in Water Resources Systems Using High Resolution Satellite Observations: Application to Lake Urmia", American Geophysical Union (AGU) Fall Meeting, San Francisco, CA, 2013.

Thomas Cheung, Adam Ibrahim and Satyanand Singh, "Padé Approximants versus Taylor Expansions," New York State Mathematics Association of Two Year Colleges Region IV Fall Conference, New York City College of Technology, October 20th, 2013

Yapah Berry, Mohamed Ali, and Gaffar Gailani,: New Lab Experience in Designing and Fabrication of *Custom-Designed* Orthopedic Knee Implant. Proceedings of the ASME/FDA Medical Devices Conference, University of Maryland, September 11- 13, 2013, Maryland.

Ismaila Sanogo and Alberto Martinez (2013). Synthesis, Characterization and Metal Chelating Properties of a Resveratrol Analogue. Ability to Inhibit Copper-Induced Reactive Oxygen Species (ROS) Formation. Oral presentation at the summer research meeting of the Luis Stokes

Alliance for Minortiy Participation, The City College of New York, New York City, August 8, 2013.

Jodie Nathan, mentor Susan Davide. "Tooth Brushing: Before of After Eating?," poster presentation at the ADHA's 2013 Center for Lifelong Learning at the 90th Annual Session, Boston, MA, June 19-20, 2013.

Diana Samaroo, **Suhua Zeng** (May 30 – June 2, 2013) "Mathematics Undergraduates Leading Undergraduates enrolled in General Chemistry: Why this Works!" Peer-Led Team Learning International Society Second Annual Conference, University of Houston-Downtown, Houston, Texas.

L. J. Deiner, **K. A. Piotrowski**, and T. L. Reitz, "Mechanisms of Fatty Acid and Triglyceride Dispersant Bonding in Non-Aqueous Dispersions of NiO," J. Am. Ceram. Soc.,96 (3), 2013, 750 – 758.

Djafar K. Mynbaev and **Vitaly Sukharenko**, "Plasmonic-Based Devices for Optical Communications," in *Frontiers in Electronics*, eds. Sorin Cristoloveanu and Michael S. Shur, New Jersey: World Scientific, 2013, Pages 201-221.

Djafar K. Mynbaev and **Vitaly Sukharenko**, "Plasmonics in Optical Communications: Optimization of Coupling Efficiency," AICT 2013, The Ninth Advanced International Conference on Telecommunications, Rome, Italy, June 23-28, 2013. On-line IARIA journal ISBN 978-1-61208-279-0, pages 230-235.

Kubeck, J. E., Her, P., **Strehl,E., Babmatee, P., Neroulias, K. & Abdulghani, H**. (2013, May 23-26). The Effects of Positive Reframing on Emotional Stress and Well being. Poster presented at the 25thAnnual Convention of the Association for Psychological Science (APS), Washington, DC.

Ali Harb, Maria Vanegas, Daniel Huljev, Ethan Wong, Andy S. Zhang, Farrukh Zia, and Iem Heng, "Detecting the Formation of a Loop in Endoscopic Tubing Using Fiber Optic Techniques", ***Applied Mechanics and Materials Vol. 339 (2013) pp 462-467.***

Bijan Bayat Mokhtari, Fritzpatrick Roque, Aidan Murphy, Ethan Wong, Andy S. Zhang, and Iem Heng, "Gaining Valuable Product Design Experience through Helping High School Students in Building Competition Robots" *2013 ASEE Mid Atlantic Conference*, New York City College of Technology, April 26-27, 2013.

Ismaila Sanogo and Alberto Martinez (2013). Efficacy of Small Molecules as Metal Ionophores in the Treatment of Alzheimer's Disease (AD). Oral presentation at the New York Section ACS Undergraduate Research Symposium, The City College of New York, New York City, April 27, 2013.

Masato R. Nakamura and **Jason Singh**, Effect of Number of Bars and Reciprocation Speed on Residence Time of Particles on A Moving Grate, Proceedings of 21st Annual North American Waste-to-Energy Conference (NAWTEC21), NAWTEC21-2735, April 22-24, 2013, Fort Myers, FL, USA

Florin Diaconu, Numerical Analysis of Size and Shape of New York City Municipal Solid Waste (NYCMSW) and Residues for Combustion Chamber Design, Proceedings of 21st Annual North American Waste-to-Energy Conference (NAWTEC21), NAWTEC21-2736, April 22-24, 2013, Fort Myers, FL, USA

Kelsey Rauber, *Cloud Cryptography*, International Journal of Pure and Applied Mathematics Volume 85 No. 1 2013, 1-11 ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version) url:
http://www.ijpam.eudoi:http://dx.doi.org/10.12732/ijpam.v85i1.1 (mentor Delaram Kahrobaei)

Satyanand Singh and **Thinh Le**, solved "Square-Roots and Products of Uniform Random Variables", problem 11565, *The American Mathematical Monthly of the Mathematical Association of America.* Volume 120, Number 1, pp 82-83, January 2013

Yuliya Bas, "A Study in Dutch Brooklyn", Series of 10 ink drawings, 2013 acquired by the Brooklyn Historical Society

Michael Tutko, "Furman's Lens on Brooklyn", Ink drawing, 2013 acquired by the Brooklyn Historical Society

2012

Lal Maharaj, A., Araujo, A. Budny, R. (2012, November 26). *The Importance of Employees in a Dental Laboratory.* New York: 88th Annual Session of the Greater New York Dental Meeting, Dental Laboratory Technology Student Poster.

Lee, L., Budny, R. (2012, November 26). *Nobel Biocare CAD/CAM Company.* New York: 88th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Matthews, G., Budny, R. (2012, November 26). *Veneers: An Option for Cosmetic Restorations.* New York: 88th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Mejia, N., Budny, R. (2012, November 26). *IPS eMax CAD/CAM vs. IPS eMax Press.* New York: 88th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Sukhnandan, L., Budny, R. (2012, November 26). *Implants.* New York: 88th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Sear Pratt, Yapah Berry, Olivia Reed, and Gaffar Gailani, 2012. " Introducing Aerospace Curriculum to High and Middle Schools". Proceedings of the ASEE Midatlantic Conference, Delaware University, DE.

Amelise Bonhomme, T.B. Tesfagiorgis, M. Temimi; N. Krakauerc (2012). Spectral Analysis of Soil Moisture Time Series From the NOAA-CREST Observation Site in Millbrook, NY. Abstract H31F-1178 at 2012 Fall Meeting, American Geophysical Union Conference, San Francisco, California, December 3-7.

Christopher Chan (2012). Processing and Analysis of Snowpack, Meteorological, and Microwave Remote Sensing Data. Abstract GC21D-1007 at 2012 Fall Meeting, American Geophysical Union Conference, San Francisco, California, December 3-7.

Juan Mejia, D. Seo, & T. Lakhankar (2012). Downscaling Of SMOS Data Using NDVI, Elevation, and Sand Fraction. Abstract H21H-1283 at 2012 Fall Meeting, American Geophysical Union Conference, San Francisco, California, December 3-7.

Folashade Alawiye (2012). Classifying Land Cover Using Spectral Signature. Abstract ED43C-0750 at 2012 Fall Meeting, American Geophysical Union Conference, San Francisco, California, December 3-7.

Milica Jevtic & C.J. Vorosmarty (2012). Sources of Environmental Risk to Human Populations Across the Caribbean: Potential Use of Remote Sensing. Abstract B53F-0738 at 2012 Fall Meeting, American Geophysical Union Conference, San Francisco, California, December 3-7.

Djafar K. Mynbaev and **Vitaly Sukharenko**, "Plasmonic-based devices for optical communications," *International Journal of High-Speed Electronics and Systems, Vol. 21, No.1 (2012), 36 -45*.

Kubeck, Jean E., Her, Pa, **Neroulias, Karen, Abdulghani, Hikma**, **Babmatee, Pascal**. (2012, April 23-25). Emotional Stress, Meaning-making, and Well-being. Poster presented at the International IOSSBR (International Organization of Social Sciences and Behavioral Research) Conference, Atlantic City, NJ.

Kubeck, Jean E., Albrecht, Vera, & **Lyon, Jesse.** (2012, May 24-27). Children in Penal Systems Worldwide: The Moderating Influence of Literacy and Constitutional Authority. Poster presented at the Annual Convention of the Association for Psychological Science (APS), Chicago, IL.

Albrecht, Vera, Kubeck, Jean E., & **Lyon, J**esse. (2012, June 6-9). Life after Roper and Graham - Life Without Parole for Juvenile Offenders. Paper presented at the Tenth Biennial International Conference co-sponsored by John Jay College of Criminal Justice: Global Perspectives on Justice, Security and Human Rights, New York City, United States.

Kubeck, Jean E., Albrecht, Vera, & **Lyon, Jesse** (2012, July 22-27). Factors that Influence Children's Treatment in Penal Systems: An International Comparison. Poster presented at the 30th International Congress of Psychology, Cape Town, South Africa.

L. Leng, and **T. Le**, "A Raman amplified GPON reach extension system using parameters of adeployed fiber", Optics Express, Vol. 20, No. 24, pp. 26473-26479,November 2012.

L. Leng, **T. Le**, and B. Zhu, "Investigation on Raman pumpwavelength allocation in a GPON reach extender," in Proceedings of the 17thOptoElectronics and Communications Conference (OECC 2012), Busan, South Korea,July 2-6, 2012, Paper SC1_1066.

Janet Liou-Mark, AE Dreyfuss, **Amelise Bonhomme, Christopher Chan, Jonathan Okoro, Gendaris Tavera, Travion Joseph, Connie Lu, Yi Ming Yu, Juan Meija,** & **Trung Tran** (2012). Engaging Student in Using Peer Assisted Learning Workshops in Introductory Mathematics Courses. New York State Mathematics Association of Two-Year Colleges Annual Conference, Ellenville, New York, April 20-21.

Janet Liou-Mark, AE Dreyfuss, **Tamika Hendricks, Milica Knight, Suhua Zeng, Karmen Yu,** & **Renee Clarke** (2012). Retaining Women Undergraduates in Mathematics through the Navigation by Mentoring and Leadership Program. New York State Mathematics Association of Two-Year Colleges Annual Conference, Ellenville, New York, April 20-21.

A.E. Dreyfuss, Janet Liou-Mark, Laura Yuen-Lau, **Mursheda Ahmed, Connie Lu, Juan Mejia, Gendaris Tavera,** & **Lori Younge** (2012). Enhancing Mathematics Learning: Peer Leaders and the Peer-Led Team Learning Project. Mathematical Association of America Metropolitan New York Section 2012 Annual Meeting, Borough of Manhattan Community College, New York, May 5.

Janet Liou-Mark, **Amelise Bonhomme,Tisha Brooks, Travion Joseph,Fariyal Malik, Shelford Mitchell, Jonathan Okoro,** & **Karmen Yu** (2012). Creating Case Studies in Mathematics: An Internship Experience. Mathematical Association of America Metropolitan New York Section 2012 Annual Meeting, Borough of Manhattan Community College, New York, May 5.

A. E. Dreyfuss, Janet Liou-Mark, **Milica Jevtic, Karmen Yu,** & **Suhua Zeng** (2012). Expanding the Community of Women in STEM through the Navigation by Mentoring and Leadership Project. Mathematical Association of America Metropolitan New York Section 2012 Annual Meeting, Borough of Manhattan Community College, New York, May 5.

Renee Clarke (2012). Optimal Allocation and Scheduling of Inspection Operations under Multiple Risk Categories. Mathematical Association of America Metropolitan New York Section 2012 Annual Meeting, Borough of Manhattan Community College, New York, May 5.

Amelise Bonhomme (2012). Spectral Analysis of Soil Moisture Time Series. Mathematical Association of America Metropolitan New York Section 2012 Annual Meeting, Borough of Manhattan Community College, New York, May 5.

Karmen Tracy Yu (2012). Is a Maximal Antichain a Quantum Cover? Mathematical Association of America Metropolitan New York Section 2012 Annual Meeting, Borough of Manhattan Community College, New York, May 5.

Laura Ghezzi, **Mursheda Ahmed, Maureen Cauthen, Christopher Chan, Tamika Hendricks, & Trung Tran**
(2012). A Peer-led Workshop Experience in an Introductory Mathematics Class. Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Andy Zhang, Iem Heng, **Fritzpatrick Roque, Aindan Murphy, Ethan Wong, Bijin-Bayat Makhtari, An Lin, Ali Harb, Alexander Barbaran** (2012). Case Study of Peer-Led Team Mentoring and Team Learning through Hands-on Robotic Design Project. Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Amelise Bonhomme, A.E. Dreyfuss, **Travion Joseph**, Janet Liou-Mark (2012). Developing a Community of Practice Among Peer Leaders: The Leadership Seminar. Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Gendaris Tavera (2012). How can female students in a math workshop increase their problem-solving capabilities? Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Alma Plaku (2012). How can the Peer Leader help students in workshop trust their partner's knowledge? Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Jonathan Okoro (2012). How can the Peer Leader help students' learning through questioning? Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Connie Lu (2012). How can the Peer Leader support students' learning in workshop? Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Trung Tran (2012). How is teamwork a key to success in workshop? Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Maureen Cauthen (2012). How is the Peer Leader experience enhanced through a community of practice? Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Janet Liou-Mark, Laura Yuen-Lau, **Connie Lu, Lori Younge, Jodi Ann Young, Sereta Scott** (2012). Peer Assisted Learning at City Tech: An Overview. Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Diana Samaroo, **Elizabeth Mills, Renee Clarke, Si Min Tan, Siguel Brunache** (2012). Peer-Led Team Learning: A General Chemistry Approach at New York City College of Technology. Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Anna Acevedo, Justin Ramos, Dany Salas, Lauri Shemaria-Aguirre, Ilia Silva (2012). Peer Mentors Making Connections with First Year Learning Communities. Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Aaron Barlow, **Amelise Bonhomme, Renee Clarke**, A.E. Dreyfuss, **Sung Soo Moon**, Jennifer Sears, **Jodi-Ann Young, Lori Younge** (2012). PLTL in the Developmental Writing Classroom. Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Janet Liou-Mark, AE Dreyfuss, **Karmen Yu, Milica Jevtic, Suhua Zeng,** Reginald Blake, and Reneta D. Lansiquot (2012). Supporting the Community of Women in STEM through the Navigation by Mentoring and Peer Leadership Program. Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Sandie Han, **Amelise Bonhomme, Jack Huang, Juan Mejia, Alma, Plaku, Gendaris Tavera** (2012). This Is Not Just Tutoring. Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Frank Aline, Yi Ming Yu, Suhua Zeng (2012). Using Bloom's Taxonomy in a Peer-Led Workshop in Probability and Statistics. Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Fariyal Malik (2012). What factors influence workshop students' motivation to succeed? Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Shelford Mitchell (2012). What happens when students in mathematics hold on to problem-solving methods that are not working? Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Milica Jevtic (2012). What traits do Peer Leaders use to support their students? Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Marcelo Moreira (2012). What types of interaction help students blossom through workshop in Statics I? Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Jack Huang (2012). Why are students in workshop able to complete modules but do not perform well on exams? Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Yineng "Alex" Liang (2012). Why do students in workshop not like to ask questions? Peer-Led Team Learning International Society Inaugural Conference, New York City College of Technology, New York, May 17-19.

Frank Aline, Christopher Chan, A.E. Dreyfuss, **Alan Jara**, Janet Liou-Mark, **Juan Mejia, Jonathan Okoro, Yi Ming Yu,** & **Guannian Zeng** (2012). The Tricks and Treats of being a Peer Leader in Mathematics? Developing a Strong Undergraduate College Student Research/Mentoring Program in a Department. New York State Mathematics Association of Two-Year Colleges Region IV Conference, Westchester Community College, New York, October 27.

Janet Liou-Mark, AE Dreyfuss, Reginald Blake, Reneta Lansiquot, **Mursheda Ahmed, Amelise Bonhomme, Milica Jevtic, Denise Santos, Karmen Yu,** & **Suhua Zeng** (2012). The "Treats" of Being Involved in a Mentoring and Leadership Program for Undergraduate Women. New York State Mathematics Association of Two-Year Colleges

MD Razikul Islam and Justin F. Vazquez-Poritz, "Strongly-coupled quarks and colorful black holes in AdS/CFT," Physical Review D85 (2012) 126001.

Toni-Ann Restivo, Susan Davide, Mentor. "*Alternative Smoking Using Hookah or Bidi Cigarettes: Implications on Oral Health." Access* Vol 26 (3), March 2012: 9-11.

Boyan Kostadinov, Liana Tsenova, **Steven Lora, Bojkena Selmanaj, Alma Reynoso and Seyedhamidreza Sadatian**. *"A simulation model for the spread of swine flu pandemic"*. A poster presentation by **Steven Lora** at the 2012 Annual Biomedical Research Conference for Minority Students (ABRCMS) in San Jose, California on November 9, 2012. **Steven Lora** was also awarded a full conference, travel and accommodation grant from the conference organizers, offered on a competitive basis.

Zulma A. Cruz and Masato R. Nakamura, Comparison of Recycling Technologies for E-Wastes and Automobile Shredder Residues (ASR), Poster Presentation at 2012 Bi-Annual Conference of Waste-to-Energy Research and Technology (WTERT) Council, October 19-19, New York, NY

Josel De la Cruz and Masato R. Nakamura, Numerical Analysis of Reverse Acting Grate for Solid Waste Mixing in a Combustion Chamber, Poster Presentation at 2012 Bi-Annual Conference of Waste-to-Energy Research and Technology (WTERT) Council, October 19-19, New York, NY

Jason Singh and Masato R. Nakamura, Particle Size and Shape Distributions of New York City Municipal Solid Waste (NYCMSW) and Residues for Combustion Chamber Design, Poster Presentation at 2012 Bi-Annual Conference of Waste-to-Energy Research and Technology (WTERT) Council, October 19-19, New York, NY

Samuel Isaac Garvett "Face of a Shadow" Charcoal drawing, 2012, acquired by the Brooklyn Historical Society

Miguel Lantingua (who has since transferred to Columbia from City Tech) "Between the Elements", Map and model, 2012, acquired by the Brooklyn Historical Society

Jennifer Ramos, "A Window into Furman", Acrylic painting, 2012, acquired by the Brooklyn Historical Society

Viviana Vladutescu, **Antonio Aguirre**, Bomidi Mahdvan, Barry Gross, Ernie Lewis, Fred Moshary, Samir Ahmed, Mohammad Razani, Reginald Blake, "Aerosol optical and physical properties measured during the IOP campaign at BNL in the summer of 2011", 92nd Annual Meeting of the AMS, New Orleans, January 22-26, 2012

Antonio Aguirre, Agossa Segla, Viviana Vladutescu, Ernie Lewis and Arthur Sedlacek III, "Validation of two algorithms used in retrievals of optical and size parameters of aerosols utilizing a Multi Filter Rotating Shadowband Radiometer and inter-comparison with a CIMEL sunphotometer ", ERN Conference, February 23-25, 2012, Atlanta, GA

2011

Amit Aggarwal[1], **Meroz Qureshy**[1], **Jason Johnson**[2], James D. Batteas, Charles Michael Drain, and Diana Samaroo, "Responsive porphyrinoid nanoparticles: development and applications" *J. Porphyrins Phthalocyanines* 2011; **15**: 338–349
[1]Graduate student and undergraduate student at Hunter College, [2]Undergraduate student at City Tech

Jennifer R. Baum, **Biao Long,** Candido Cabo and Heather S. Duffy. **Myofibroblasts cause heterogeneous Cx43 reduction and are unlikely to be coupled to myocytes in thehealing canine infarct** *Am J Physiol Heart Circ Physiol*302:H790-H800, 2012. First published 18 November 2011;

Crane, J., Budny, R. (2011, November 27). *CAD/CAM: The Future of Digital Dentistry.* New York: 87th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Hashimoto, R., Budny, R. (2011, November 27). *Types of All-Ceramic Restorations.* New York: 87th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Sylvain, K., Budny, R. (2011, November 27). *Zirconia.* New York: 87th Annual Session of the Greater New York Dental Meeting, Dental Laboratory Technology Student Poster.

Sandra Sze (CUNY Graduate Center), Delaram Kahrobaei, **Renald Dambreville, Makenson Dupas, "**Finding N-th Roots in Nilpotent Groups and Applications, in Cryptology," *International Journal of Pure and Applied Mathematics*, Volume 70 No. 4 2011, 571-593

Carranza, H., Carranza, A., "*Virtualization in Linux a Key Component to Cloud Computting*", Enterprise Computing Conference (ECC), Marist College, Poughkeepsie, NY. June 12 - 14, 2011. http://ecc.marist.edu/conf2011/materials/CarranzaHarrisonAparicioPaper.pdf

Kenneth Paneto, Nasreen Haque, "Selective Targeting of Ecological Niches: Microbial Diversity Zones in the Gowanus Canal," NYS Marine Education Association Annual Conference Annual Conference at Kingsborough Community College, Sheepshead Bay, Brooklyn, NY, June 4, 2011

Investigations into the mechanism(s) of plant metabolites and comestible juices on the loss of rotavirus infectivity**.** F. S. Ozen[1], S. M. Lipson[1], **Dionne Trotman**[2], R. E. Gordon[3], S. Malmoud[1], and L. Karthikeyan[2]. St. Francis College, Brooklyn Heights, NY[1], New York City Col. Technol., CUNY[2], Mt. Sinai Med. Center, New York, NY[3]. Poster presentation at the American Society for Microbiology's 111th General Meeting, May 21-24th, 2011, New Orleans, LA.

Amy Brost, Jay Deiner, "Formulating inks for solid oxide fuel cell fabrication: A method for developing solubility parameters for nickel oxide particle, NY ACS Undergraduate Research Symposium, College of Mt. St. Vincent, May 7, 2011

Mursheda Ahmed, **Amelise Bonhomme**, Laura Yuen-Lau, AE Dreyfuss, **Susan Lema**, Janet Liou-Mark, and **Karmen Yu**. "Peer-Led Team Learning Workshops: A Model for Enhancing the Learning of Mathematics." 7th Annual CUNY General Education Conference, York College CUNY, May 13, 2011.

Reneta D. Lansiquot, **Tamrah Cunningham Elaine Green, Sanjiv Latchman, "**Virtual worlds and engagement: (Re)writing the student in an online environment." 7th Annual CUNY General Education Conference, York College CUNY, May 13, 2011.

Mark Schiebe, Daniel Newsome, Armando Solis, Jay Deiner, **"**Re-imagining the lab report in Biology and Chemistry." 7th Annual CUNY General Education Conference, York College CUNY, May 13, 2011.

Steven Lora, Andrew Douglas, "The Linear Algebra Behind Web Search Engines," The Mathematical Association of America Annual Meeting of the Metropolitan New York Section, Stony Brook University SUNY, May 1, 2011

Mursheda Ahmed, AE Dreyfuss, **Susan Lema**, Janet Liou-Mark, **Jodi-Ann Young**, and **Karmen Yu**. *"*Academic Inventory Module (AIM) for Success in an Intermediate Algebra and Geometry Course." The Mathematical Association of America Annual Meeting of the Metropolitan New York Section, Stony Brook University SUNY, May 1, 2011

Janet Liou-Mark, AE Dreyfuss, **Frank Aline, Irene Bary, Amelise Bonhomme, Renee Clarke, Sereta Scott, Si Min Tan,** and **Yi Ming Yu**. "Peer-Assisted Learning Workshops: A Program to Improve Persistence and Retention." The Mathematical Association of America Annual Meeting of the Metropolitan New York Section, Stony Brook University SUNY, May 1, 2011

Elizabeth Mills, Satyanand Singh, **Yi Ming Yu.** "Testing for Prime Numbers with Calculus.**"** The Mathematical Association of America Annual Meeting of the Metropolitan New York Section, Stony Brook University SUNY, May 1, 2011

Erika Green, Nasreen Haque, "The Search for Novel Antibiotics: A Metagenomic Approach," 2011 Einsteins in the City Conference Journal, abstract and poster presentation, CCNY, April 14-15, 2011

Kenneth Paneto, Nasreen Haque, "Selective Targeting of Ecological Niches: Microbial Diversity Zones in the Gowanus Canal," 2011 Einsteins in the City Conference Journal, abstract and poster presentation, CCNY, April 14-15, 2011

Fatma S. Ozen[1], **Dionne Trotman[2*],** Ronald E. Gordon[3], Soha Malmoud[1], Laina Karthikeyan[2], and Steven M. Lipson[1**].poster presentation at the tenth annual New England Science Symposium, "Investigations into the mechanism(s) of plant metabolites and comestible juices on the loss of rotavirus infectivity." St. Francis College, Brooklyn, NY[1], New York City Col. Technol., CUNY[2], Mt. Sinai Med. Center, New York, NY[3], Harvard Medical College, Cambridge, Massachusetts, April 1, 2011

G.L. Matloff, **Monika Wilga**, "NEOs as Stepping Stones to Mars and Main-Belt Asteroids," Acta Astronautica 68 (2011) 599–602

Aboubakar Diakite, Azita Mayeli, "Using Geometry to Do Arithmetic," Emerging Researchers National (ERN) Conference in STEM, February 24-26, 2011, in Washington, DC

Urmi Ghosh-Dastidar and **Javier Joya,** "An Age-independent Rotavirus Transmission Model," BAASANA conference proceedings, 2011. Work partially supported by CURM mini-grant.

Urmi Ghosh-Dastidar and **Jing Lun Li**, "Effects of Different Factors on College Enrollment," BAASANA conference proceedings, 2011. Work partially supported by CURM mini-grant.

Toni-Ann Restivo, mentor Susan Davide. "Alternative Smoking Using Hookah or Bidi Cigarettes: Implications on Oral Health," poster presentation at the ADHA's 2011 Center for Lifelong Learning at the 88th Annual Session, Nashville, TN, June 15-16, 2011; 3rd place winner recipient $300 cash award.

Stephanie Hoyos, mentor Susan Davide. *"Dental Grillz: Dental Hygiene Implication"; Access Vol. 25 (6)* July 2011: *6-7*

Thinh Le, Satyanand Singh**,** "Predicting seemingly esoteric probabilistic distributions by simulation and confirming their validity by theoretical methods." Mid-Hudson Mathematics Conference for Undergraduates at Bard College on October 16th, 2011 Work partially supported by NSF STEP Grant.

A. Gothandaraman, **S. Sadatian, M. Faryniarz**, O.L. Berman, G.V. Kolmakov, "Application of Graphics Processing Units (GPUs) to the Study of Non-linear Dynamics of the Exciton Bose-Einstein Condensate in a Semiconductor Quantum Well", 2011 Symposium on Application Accelerators in High-Performance Computing (SAAHPC), Proceedings, IEEE Conference, pp.68-71, doi:10.1109/SAAHPC.2011.32.
http://ieeexplore.ieee.org/xpl/abstractAuthors.jsp?arnumber=6031567

2010

Janet Liou-Mark, AE Dreyfuss, **Lori Younge,** "Peer Assisted Learning Workshops in Precalculus: an approach to increasing students success," Mathematics and Computer Education, Fall 2010, Volume 44, Number 3, p. 249-256

Aionga Pereira, Liana Tsenova, **Rona Gurin, Farjana Ferdousy,** Urmi Ghosh-Dastidar, "Multi Drug Resistance and Nosocomial Infections in Brooklyn, NY" 2010 Annual Biomedical Research Conference for Minority Students (ABRCMS), Charlotte, NC, Nov 13 2010

Benhalima, M., Budny, R. (2010, November 28). *The Evolution of Esthetic Dentistry.* New York: 86th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Hinojosa, K., Budny, R. (2010, November 28). *Implementing the Mouth Motion Simulator in Testing Modern Dental Restorative Materials.* New York: 86th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Nemirovskaya, N., Budny, R. (2010, November 28). *Pontics Modern Restorative Dentistry Solutions.* New York: 86th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Lee, J., C., Budny, R. (2010, February 19). *Implants, Osseo integration and Their Role in Implant Dentistry.* New York: CUNY Pipeline Honors Conference. Oral Presentation.

Elizabeth Mills, Satyanand Singh, "Mapping the Cantor Ternary Set onto High Dimensions," New York State Mathematics Association of Two Year Colleges Fall 2010 Region IV Conference, NCC, Oct. 23, 2010

Frank Aline, Renee Clarke, Mejeena Constant, Steven Lora, Yvency Marcellus, Alma Cabral-Reynoso, Jodi Ann Young and Karmen Yu, AE Dreyfuss, Janet Liou-Mark**, "**Engaging Activities for Peer-Led Sessions: A Workshop on How to Create Modules," New York State Mathematics Association of Two Year Colleges Fall 2010 Region IV Conference, NCC, Oct. 23, 2010

Jodi-Ann Young, mentored by Profs. Urmi Ghosh-Dastidar and Liana Tsenova, Bio-Math Mapping and Water Quality Analysis of the Hudson River. Peach State LSAMP 5th Annual Fall Symposium & Research Conference at the University of Georgia in Athens, GA, September 24-25, 2010. **Received 2nd prize in the poster presentation**

Farjana Ferdousy, Urmi Ghosh-Dastidar and Liana Tsenova, "Study of Nosocomial Infection in Brooklyn, NY- a SENCERIZED Project," Mathematics Association of America, MathFest, Pittsburgh, Pa., Aug. 5-7. 2010

Jodi-Anne Young, Urmi Ghosh-Dastidar, "Bio-Math Mapping and Water Quality Analysis of Hudson River," Mathematics Association of America, MathFest, Pittsburgh, Pa., Aug. 5-7. 2010

G. L. Matloff, L.Leng, and **T. Le**, "Optical transmission of an Allende meteorite thin section andsimulated regolith," 73rd Annual Meeting of The MeteoriticalSociety, New York, USA, July 26-30, 2010. The abstract is published in Meteorites& Planetary Science, Vol. 45 Supplement (2010), pp. A127, Paper 5004.

Vera Albrecht, Jean Kubeck, **Jesse Lyon**, "Minors' Rights Versus Major Punishment: Juvenile Justice and International Developments." Paper presented at the Ninth Biennial International Conference co-sponsored by John Jay College of Criminal Justice: Societies in Transition - Balancing Security, Social Justice, and Tradition, Marrakech, Morocco, June 2-5, 2010

Reginald Blake, **Alma Cabral Reynoso,** "Variability of Worldwide Cloud Cover" (poster), The Mathematical Association of America Annual Meeting of the Metropolitan New York Section, New York City College of Technology, May 1, 2010

Urmi Ghosh-Dastidar, **Farjana Ferdousy, "**Nosocomial infection and our Community – a SENCER based project," The Mathematical Association of America Annual Meeting of the Metropolitan New York Section, New York City College of Technology, May 1, 2010

Boyan Kostadinov**, Denise Porter, Van Anh Truong,** "Pricing of European Call Options on Google Stock" (poster), The Mathematical Association of America Annual Meeting of the Metropolitan New York Section, New York City College of Technology, May 1, 2010

Sung Soo Moon, Arnavaz Taraporevala, Janet Liou-Mark, and AE Dreyfus, poster titled "The Peer-Led Team Learning Model: Highlighting Student Success in Mathematics" at The Mathematical Association of America Annual Meeting of The Metropolitan NY Section at NYC College of Technology, CUNY, Brooklyn, NY, May 1, 2010.

Steven Lora, Frank Aline, and Janet Liou-Mark, poster titled "Workshops in Calculus: Dual Benefits for Peer Leaders and Participants" at The Mathematical Association of America Annual Meeting of The Metropolitan NY Section at NYC College of Technology, CUNY, Brooklyn, NY, May 1, 2010.

Lori Younge, Jodi-Ann Young, Yvency Marcellus, Janet Liou-Mark, poster titled "The Peer-Assisted Workshops in Introductory Mathematics Courses" at The Mathematical Association of America Annual Meeting of The Metropolitan NY Section at NYC College of Technology, CUNY, Brooklyn, NY, May 1, 2010.

Denise Porter, Van Anh Truong and Boyan Kostadinov, poster titled "Pricing of European Call Options on Google Stock" at The Mathematical Association of America Annual Meeting of The Metropolitan NY Section at NYC College of Technology, CUNY, Brooklyn, NY, May 1, 2010.

Andrew Vaughn, Thomas Cheung, and Boyan Kostadinov, poster titled "From Fishing to Finance – A Dynamic Approach" at The Mathematical Association of America Annual Meeting of The Metropolitan NY Section at NYC College of Technology, CUNY, Brooklyn, NY, May 1, 2010.

Ireen Bary, Hyeongi Kim, Chen Wei Pua, Karmen Yu, YiMing Yu, Guannian Zeng, and Janet Liou-Mark, poster titled "Peer Leading Workshops in Mathematics: Voices from Novice Leaders" at The Mathematical Association of America Annual Meeting of The Metropolitan NY Section at NYC College of Technology, CUNY, Brooklyn, NY, May 1, 2010.

Wei Dong Liu, Emil Ifraimov, Kwasi James, Elizabeth Mills, Stanislav Shur, Dingua Zeng, and Satyanand Singh, poster titled "Twisted Curves that are Shrouded in Linearity" at The Mathematical Association of America Annual Meeting of The Metropolitan NY Section at NYC College of Technology, CUNY, Brooklyn, NY, May 1, 2010.

Eti Akter and Satyanand Singh, poster titled "A Calculus-free Minimization of a Function of Two Variables & Programming MAPLE to Animate and Solve an Optimization Problem" at The Mathematical Association of America Annual Meeting of The Metropolitan NY Section at NYC

College of Technology, CUNY, Brooklyn, NY, May 1, 2010.

Thomas Cheung and Satyanand Singh, poster titled "Unraveling the Mysterious Google Search Engine" at The Mathematical Association of America Annual Meeting of The Metropolitan NY Section at NYC College of Technology, CUNY, Brooklyn, NY, May 1, 2010.

Orlando Davy, Jonathan Encalada, Mohammad Hossain, Bulat Khamitov, Alicia Lovell Squires, Yvency Marcellus, Denise Porter, Michael Thompson, Andrew Vaughn, Lori Younge, Silva Renzo, Chun Yin Yuen, and Satyanand Singh, "An Intriguing Probabilistic Simulation of Random Points on a Circular Path", at The Mathematical Association of America Annual Meeting of The Metropolitan NY Section at NYC College of Technology, CUNY, Brooklyn, NY, May 1, 2010.

Janet Liou-Mark, **Ireen Bary, Hyeongi Kim, Chen Wei Pua, Karmen Yu, Yi Ming Yu, Guannian Zeng**, "Peer Leading Workshops in Mathematics: Voices from Novice Leaders" (poster), The Mathematical Association of America Annual Meeting of the Metropolitan New York Section, New York City College of Technology, May 1, 2010

Satyanand Singh**, Orlando Davy, Jonathan Encalada, Mohammad Hossain, Bulat Khamitov, Alicia Lovell Squires, Yvency Marcellus, Denise Porter, Michael Thompson, Andrew Vaughn, Lori Younge, Silva Renzo, and Chun Yin Yuen,** Advisor: **"An Intriguing Probabilistic Simulation of Random Points on a Circular Path" (poster),** The Mathematical Association of America Annual Meeting of the Metropolitan New York Section, New York City College of Technology, May 1, 2010

Janet Liou-Mark**, Steven Lara, Frank Aline**, "Workshops in Calculus: Dual Benefits for Peer Leaders and Participants", The Mathematical Association of America Annual Meeting of the Metropolitan New York Section, New York City College of Technology, May 1, 2010

Janet Liou-Mark**, Lori Younge, Jodi-Ann Young, Yvency Marcellus**, "The Peer-Assisted Learning Workshops in Introductory Mathematics Courses," The Mathematical Association of America Annual Meeting of the Metropolitan New York Section, New York City College of Technology, May 1, 2010

AE Dreyfuss, Janet Liou-Mark, **Frank Aline, Ireen Bary, William Lau, Steven Lora, Yvency Marcellus, Chenwei Pua, Alma Cabral Reynoso, Jodi Ann Young, Lori Younge, and Karmen Yu,** "Learning to Teach Mathematics and Science Through Peer Leading", New York State Mathematics Association of Two-Year Colleges Annual Conference, Ithaca, New York, April 16, 2010

Urmi Ghosh-Dastidar, **Aionga Pereira, Farjana Ferdousy, Rona Gurin,** "An Interdisciplinary Study on Nosocomial Infection and our Community," NYSMATYC Annual Conference, Ithaca, NY, April 16-17, 2010

Janet Liou-Mark, **Yvency Marcellus, Alma Cabral Reynoso, Sereta Scott, Jodi Ann Young, Lori Younge, Ya Ping Zhang,** "Navigation by Mentoring and Leadership Project: The Implementation of a Peer Mentoring Program for Women", New York State Mathematics Association of Two-Year Colleges Annual Conference. Ithaca, New York, April 16, 2010

AE Dreyfuss, Janet Liou-Mark, **Alma Cabral Reynoso**, **Jodi Ann Young** (Invited Talk), Peer-Led Team Learning: The Workshop Model, Delaware State University, Dover, Delaware, April 9, 2010

Jean Kubeck, Vera Albrecht, **Jesse Lyon, "**Children in Penal Systems: An International Comparison," Eastern Psychological Association, March 4-7, 2010, in Brooklyn New York

Reginald A. Blake**, Ruben Neira, "**Use of Satellite Images for Surface Conditions Monitoring in the Upper Mississippi Watershed the Flood Event of 2008", CUNY Pipeline Honors Conference, Graduate Center, February 19, 2010

Janet Liou-Mark, **Sereta Scott, Yvency Marcellus,** "Supporting Women Majoring in Applied Mathematics through a Mentoring Program," CUNY Pipeline Honors Conference, Graduate Center, February 19, 2010

Janet Liou-Mark, **Iman Farraj,** "Why do students studying Chemistry expect to be spoon feed and how do we engage them in learning the material?" CUNY Pipeline Honors Conference, Graduate Center, February 19, 2010

Lopez, Maritza, Maria Ter-Mikaelian. "A comprehensive overview of Parkinson's disease: Symptoms, pathophysiology, current treatments, and experimental strategies." Poster presentation, CUNY Pipeline Conference, New York, NY, February 19, 2010.

Mursheda Ahmed, Jodi Ann Young and Janet Liou–Mark, poster titled "Academic Inventory Module For Mathematics Success" at the Annual CUNY Pipeline Honors Conference, The Graduate Center, February 19, 2010.

Renata Kenigstein, Professor Patrick O'Halloran, poster titled "Around The World In Ninety Days On A Budget" at the Annual CUNY Pipeline Honors Conference, The Graduate Center, February 19, 2010.

Janet Liou-Mark**, Mursheda Ahmed**, **Jodi Ann Young**, "Academic Inventory Module for Mathematics Success", CUNY Pipeline Honors Conference, Graduate Center, February 19, 2010

Janet Liou-Mark, **Lori F. Younge**, "How have Peer-Assisted Learning workshops affected students' grades in a Precalculus course?" CUNY Pipeline Honors Conference, Graduate Center, February 19, 2010

Reneta D. Lansiquot, **Donald Lubin, Meleny Perez,** "The Narrative of Computing," CUNY Pipeline Honors Conference, Graduate Center, February 19, 2010

Liana Tsenova, **Aionga Pereira, Rona Gurin**, (poster) " Epidemiologic Study on Nosocomial Infections in NYC" at the 13th Annual CUNY Pipeline Honors Conference, The Graduate Center, February 19, 2010

Alma Cabral-Reynoso, Eric M. Rodriguez, "The Rorschach's reliability and validity debate." Poster presented at the 13th Annual CUNY Pipeline Honors Conference, The Graduate Center, February 19, 2010

Chakraborty, S, **StephanieSimeon , Vincent Palmieri,** and Addya S. Neuroprotection by estrogen under hypoglycemic condition with special emphasis on AKT_GSK pathway. FASEB J, April 2010 (24), 708.2.

2009

Ali, K., Budny, R. (2009, November 29). *Restoring Maxillary Incisors as Indirect Composite Resin Veneers.* New York: 85th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Chung, P., Budny, R. (2009, November 29). *Combination case: Maxillary Anterior Crown and Veneers Restored in Micro-Ceramic Indirect Composite Resin Material.* New York: 85th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Iijima, A., Budny, R. (2009, November 29*). Restoring the Smile with Ten Maxillary Veneers.* New York: 85th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Pesantes, S., Budny, R. (2009, November 29*). Smile Design Through Veneer Restorations.* New York: 85th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Yeung, H., Budny, R. (2009, November 29). *Intraoral Scanning vs. Traditional Impression Taking.* New York: 85th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

German, R., Budny, R. (2009, May 8*). Micro-Ceramic Indirect Composite Resin Veneers.* New York: Northeastern Gnathological Society Meeting. Dental Laboratory Technology Student Poster.

Marcovic, M., Galvis, O., Budny, R. (2009, May 8*). Esthetical Aspects of All-Ceramic & PFM Restorations.* New York: Northeastern Gnathological Society Meeting. Dental Laboratory Technology Student Poster.

Yamaki, R., Budny, R., Smith, A. (2009, May 8). *Maxillofacial Prostheses: Implant Supported Nose Reconstruction.* New York: Northeastern Gnathological Society Meeting. Dental Laboratory Technology Student Poster.

Ranglin Shaul, Das Debrata, Abraham Mingo, Oseji Ukinamemen, Gaffar Gailani, Luis Cardoso, and Stephen. Cowin, 2009. " Development of a mechanical system for osteon isolation". Proceedings of the ASEE Mid-Atlantic Conference, Oct 2009, Temple University, PA.

Djafar Mynbaev, **Vitaly Sukharenko**; "Applications of Plasmonics in Optical Communications." International Conference Advanced Workshop on 'Frontiers in Electronics' (WOFE 09), December 13-16, 2009 in Rincon, Puerto Rico.

Janet Liou-Mark, **Lori Younge**, "Implementation of Peer-Led Team Learning in Mathematics Module Development in Mathematics," National Conference on Expanding Peer Led Team Learning in the Sciences and Mathematics: Strategies for Successful Implementation Morehouse College, Atlanta, Georgia, November 13-14, 2009

Janet Liou-Mark, AE Dreyfuss, **Travion Joseph, Lorenzo Lares, William Lau, Jamal Stovall**, "Peer-Assisted Learning Workshops: Through the lens of student leaders." NYSMATIC Region IV Conference, BMCC, November 1, 2009

Janet Liou-Mark, AE Dreyfuss, **Mursheda Ahmed, Iman Farraj, Yvency Marcellus, Alma Cabral Reynoso, Jodi Ann Young**, "Navigation by Mentoring and Leadership: A program supporting undergraduate women in mathematics." NYSMATIC Region IV Conference, BMCC, November 1, 2009

Sunghoon Jang, **Dieudonne Vilsaint**, "Studying and Developing a Non-invasive Optical Glucose Sensing System Using Advanced Opto-Electronic Technology," Annual Biomedical Research Conference for Minority Students (ABRCMS) in Phoenix, Arizona, on November 7, 2009.

Jodi-Ann Young, David Ellis, Paul Dalash (Northwestern U), "Interaction of Peptides of Hydroxyapatite," Summer 2009 issue of Nanoscape, The Journal of Undergraduate Research in Nanoscience, Vol. 6,issue 1

Janet Liou-Mark, **Gerald Sidoine, Lori Younge,** "Institutional Support at City Tech: Little Emphasis on Integration into Courses," Annual Conference on Peer-Led Team Learning, City College, July 7-10, 2009

Reneta Lansiquot, Meleny **Perez,** "A Student's Guide to Virtual Worlds," at the World Conference on Educational Multimedia, Hypermedia and Telecommunications in Honolulu, Hawaii, June, 2009. **Awarded the "best presentation" prize.**

Lufeng Leng, **Thinh Le**; "All-optical upstream carrier generation scheme for optical network unit using a Brillouin erbium fiber laser," Optical Engineering 48(6) 065001 June 2009

Janet Liou-Mark, AE Dreyfuss, **Mursheda Ahmed, Adam Atia, Lorenzo Lares, Jian Hong Li, Yvency Marcellus, Alma Cabral Reynoso, Jamal Stovell, Lori Younge,** "Peer-Assisted Learning (PAL) Workshops from Intermediate Algebra to Calculus," New York State Mathematics Association of Two-Year Colleges (NYSMATYC), Albany, New York, April 17, 2009

Urmi Ghosh-Dastidar, **Javier Joya**, "A Simple Mathematical Model of Age Independent Rotavirus Propagation," 2009 CURM Conference & MAA Intermountain Section Meeting, Brigham Young University, March 20, 2009

Urmi Ghosh-Dastidar, **Jinglun Li**, "Effects of different factors on college enrollment," 2009 CURM Conference & MAA Intermountain Section Meeting, Brigham Young University, March 20, 2009

Urmi Ghosh-Dastidar and **David Persico**, *An Example of Portfolio Optimization using a Variant of Fast Simulated Annealing Method*, Mathematics and Computer Education, January, 2009.

Mir Ali, Frenny Ruiz, Carlos Saint-Victor, Justin Vazquez Poritz, " Strings on AdS wormholes, Physical Review D, **80,** 046992 (2009)

Sidoine, G. (2009). Running a good workshop takes more than training the Peer Leader. *Progressions: The Peer-Led Team Learning Project Newsletter*, Volume 10, Number 4, Summer. Online at http://www.pltl.org. (not peer reviewed)

Younge, L. (2009). How can the Workshop Leader provide scaffolding to reinforce prior knowledge? *Progressions: The Peer-Led Team Learning Project Newsletter*, Volume 11, Number 1, Fall. Online at http://www.pltl.org. (not peer reviewed)

2008

Adam Atia, Reginald Blake, "Trans Atlantic Transport of Saharan Dust," National Organization for the Professional Advancement of Black Chemists and Chemical Engineers, St. Francis College, Nov. 15, 2008

German, R., Budny, R. (2008, November 30). *Micro-Ceramic Indirect Composite Resin Veneers.* New York: 84th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Marcovic, M., Galvis, O., Budny, R. (2008, November 30). *Esthetical Aspects of All-Ceramic & PFM Restorations.* New York: 84th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Yamaki, R., Budny, R., Smith, A. (2008, November 30). *Maxillofacial Prostheses: Implant Supported Nose Reconstruction.* New York: 84th Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Franklin Fung, Sereta Scott, Delaram Kahrobaei, "El Gamal Digital Signature," National Organization for the Professional Advancement of Black Chemists and Chemical Engineers, St. Francis College, Nov. 15, 2008

Sereta Scott, Delaram Kahrobaei, "Digital Signatures," Peach State LSAMP Student Research Conference, Savannah State University, Savannah, Georgia, November 13-16, 2008. **She received a first place award**.

Satyanand Singh, **Javier Joya,** Conjuring Calculus in the Realm of Transformations as it Casts its Spell on Non-Singular Matrices, New York State Mathematics Association of Two-Year Colleges (NYSMATYC) Regional IV Conference , New York City College of Technology, October 19, 2008

Janet Liou-Mark, AE Dreyfuss, **Adam Atia, Jian-Hong Li, Pan Cheng, Lori Younge**, "What is Peer Led Team Learning in Mathematics", New York State Mathematics Association of Two-Year Colleges (NYSMATYC) Regional IV Conference , New York City College of Technology, October 19, 2008

Javier Joya, Effects of Vaccination in Transmission of Infectious Diseases, LS AMP Conference, New Mexico State University, October 3, 2008

Adam Atia, Reginald Blake, "Trans Atlantic Transport of Saharan Dust," The University of Texas System LSAMP Student Research Conference, University of Texas at El Paso, September 18 - 20, 2008

L. Leng, and **T. Le**, "All-optical carrier regeneration at optical network unit using a Brillouin/Erbium fiber laser," in Proc. Photonics in Switching 2008, Sapporo, Japan, Aug. 2008, Paper D-03-5.

Javier Joya, Study of Transmission of BVD Virus, NYC LSAMP Summer Research Conference, CCNY, July 31, 2008

Jean Kubeck, Vera Albrecht, **E. Bear,** "Juveniles Treated as Adults in the Criminal Justice System." Paper presented at the 8th John Jay College of Criminal Justice International Conference: Justice and Policing in Diverse Societies, Puerto Rico, June 9th, 2008

2007

Mo, B., Shuting, R., Budny, R. (2007, November 25). *Fabrication of Indirect Micro-Ceramic Composite Resin Veneers.* New York: 83rd Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Schmucker, R., B., Lima, A., Goldstein, D., Budny, R. (2007, November 25). *Indirect Composite Resin Veneering.* New York: 83rd Annual Session of the Greater New York Dental

Meeting. Dental Laboratory Technology Student Poster. 2nd place & $300 prize in the Student Poster Competition.

Aranbayev, D., Clemente, N., E., Budny, R. (2007, November 25). *Successful Model Making.* New York: 83rd Annual Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

Isaac Barjis, Ajimal Zemmar, **Faisal Mohammad, Fakreldin A. Sabel,** Walied Samarrai, "Modelling and Simulation of IRES - Engagement During the Process of mRNA Translation in Cells infected with Hepatitis C Virus," Proceedings of the Summer Computer Simulation Conference, July 2007, p852-857

Mary Chan, Prof. Peter Spellane. "Preparation of New Photosensitive Compound that links ANILINE Oligomers to Tetraphenylporphyrins." New York Chemistry Student's Association 55nd Annual Undergraduate Research Symposium (March 2007).

2005
Simon Dexter, Alysse Rich, Vincent Ong (SEED student), Pamela Brown, "Kinetics and purification of microwave induced and conventional synthesis of 3-methylbutylacetate (banana oil) and ethyl acetate," *Journal of Undergraduate Chemistry Research*, 2005, 4, 141

II. Awards, Honors, Prestigious Internships and other Special Recognition.

2019
BIB student Jean-Hus Theordore was a research intern in the 10-week John Hopkins Boomberg School of Public Health Diversity Summer Inclusion Program where he conducted a secondary analysis of the prevalence of colorectal cancer in Maryland to evaluate health disparities within underserved Baltimore City.

Communication Design student Angel Diaz who won a Merit from CMYK Magazine for a photograph taken as part of his course work.
https://cmykmag.com/design-contest-winners-59

Eduardo Bravo, Applied Chemistry graduate (2018) was accepted to the Stony Brook University, Arts and Sciences PhD program in Chemistry.

City Tech REU student, Edgar Gomez, won first place for his poster at the Emerging Research Nationals (ERN) in STEM conference in Las Vegas, Nevada, Feb. 2019.

Magdalena Ploszaj was selected for a LifeSci NYC summer 2019 internship. Magdalena is working at the Columbia University George M. O'Brien Urology Research Center this summer. The three interns at this host organization were selected from among 68 applicants who expressed interest specifically in that opportunity

2018

Raven Johnson, Katherine Parra and Naomi Chery were ***selected to participate in a research cruise*** to the Flower Garden Banks National Marine Sanctuary (Northwest Gulf of Mexico) to collect mesophotic and deep-water black corals. You will sail aboard the NOAA research vessel *Manta* and will be deploying the remotely operated vehicle. Sailing dates: July 21-26, 2018 (travel dates: July 20-27)
Rachael Ross & Raven Johnson
Sailing dates: September 4-9, 2018 (travel dates: September 3-10)
Katherine Parra & Naomi Chery

Miguel Gomez, one of the first graduates of the Applied Chemistry Bachelor's program has been accepted to a post-baccalaureate program at the NIH National Cancer Institute, pursuing research in chemical biology. Miguel has worked with Prof. Alberto Martinez as an LSAMP Scholar and was supervised by Prof. Diana Samaroo, as a PLTL leader and adjunct CLT in the Chemistry Department. Two offers were presented to Miguel, but ultimately he decided on Martin J. Schnermann's lab.

Student **Miguel Gomez**, one of the first graduate from the Applied Chemistry Program, took a summer internship at University of Maryland-Baltimore County, under the Research Experience for Undergraduate (REU) Program. The title of his research project was: Self-Assembling Chlorins as a Simple Model of Light Harvesting Antenna. Miguel has worked in the past with Professors Alberto Martinez and Diana Samaroo.

Yanna Chen BS Applied Math, June 2017, accepted in doctoral program in Atmospheric Sciences at the University of Albany. Won the 2017 Bob Glahn Endowed Scholarship in Statistical Meteorology at the American Meteorological Society annual conference.

Francois Mertil, BT ETB June 2017, completed MS in electrical engineering, Cornell University; accepted into Carnegie Melon PhD program in Electrical Engineering; awarded an NSF GEM Scholarship to support his PhD studies

Andrew Wills, BS Applied Math, Jan. 2017, was selected for a post-bac Intramural Research and Training Award (IRTA) position at the National Institute of Health/National Institute of Diabetes and Digestive and Kidney Diseases/Phoenix Epidemiology and Clinical Research Branch in Phoenix Arizona. The IRTA position provides recent college graduates who are planning to apply to graduate or professional (medical/dental/pharmacy/nursing/veterinary, etc.) school an opportunity to spend one or two years performing full-time research at the NIH. Postbac IRTAs/CRTAs work side-by-side with some of the leading scientists in the world, in an environment devoted exclusively to **biomedical research**. Professional development activities include skills workshops on topics such as oral and poster presentations and improving mentoring relationships; workshops on getting to graduate school and getting to professional school; career exploration sessions; a Graduate & Professional School Fair; and Postbac Poster Day. IRTA stipends are ~$30,000/year.

2017
Salute to Scholars
Cisco Alers
New York City College of Technology, '18
New York City Council Merit Scholar, 2017

Nicole Bellaflores-Mejia
New York City College of Technology, '19
NOAA-funded research expedition, 2017

Fatima Chebchoub
New York City College of Technology, '17
National Science Foundation-STEM Scholars, 2017
Western Kentucky University, Graduate School, Computer Science, MS, 2019

Cherishe Cumma
New York City College of Technology, '18
CUNY Futures Initiative Peer Mentors program

Saloua Daouki
New York City College of Technology, '17
National Science Foundation-Robert Noyce Teacher Scholarship Program, 2017
City College, Education, MS, 2019

Craig Dawes
New York City College of Technology, '17
NSF REU scholarship , 2017

Manuela Hoyos Giraldo
New York City College of Technology, '17
National Science Foundation-STEM Scholars, 2017

Miguel Gomez
New York City College of Technology, '18
ReNUWIt (Re-Inventing the Nation's Urban Water Infrastructure) REU Program, 2017
Submitted by: Kim Cardascia,Executive Associate ,kcardascia@citytech.cuny.edu,(718)260-5723

Alisa Kalegina
New York City College of Technology, '17
University of Washington, Seattle, Computer Science and Engineering Department , Ph.D., 2015
Submitted by: Kim Cardascia,Executive Associate ,kcardascia@citytech.cuny.edu,(718)260-5723

Amera-Rime Lulu

New York City College of Technology, '17

Multicultural Advertising Intern Program (MAIP) , 2017

Sheila Moaleman
New York City College of Technology, '16
NSF-funded REU position at Harvey Mudd College in Claremont, working with Dr. Cathy McFadden, 2017
NOAA-funded research expedition, 2017

Geovanny Rivera
New York City College of Technology, '17
The One Club: Creative Boot Camp New York (1st place), 2017
Internship, 2017

Fathima R Mohamed Rafeek
New York City College of Technology ‘17
City College, CUNY, Mathematics department, Master of Science, 2019

Jawad Rashid
New York City College of Technology (CUNY BA) ‘17
Gilman International Scholarship
Tyace Smith
New York City College of Technology ‘17
Columbia University, Construction Administration department, Master of Science, 2019

Miguel Gomez, who works as a peer leader with Prof. Diana Samaroo and as an undergraduate researcher with Prof. Alberto Martinez in the Chemistry Department has been accepted to the **ReNUWIt (Re-Inventing the Nation's Urban Water Infrastructure) REU Program at the University of California, Berkeley Campus.**

Miguel was also selected to the following programs: LSAMP International Summer Research Program (Colombia); Rackham Summer Research Opportunity Program - University of Michigan
and the 2017 CUNY Summer Undergraduate Reseach Program (C-SURP). He has chosen to participate in the ReNUWit program at UC-Berkeley and the Brookhaven National Lab 'Mini-Semester' from January 8, 2017 to January 13, 2017.

Sheila Moaleman (BRSP and ESP Scholar) was offered an NSF-funded REU position at Harvey Mudd College in Claremont, working with Dr. Cathy McFadden Dr. McFadden uses molecular techniques (from genes to genomes) to address phylogenetic relationships among octocorals. The dates would be from June 5 to August 11, 2017.. The stipend is $5,000. (https://www.hmc.edu/biology/faculty-staff/catherine-s-mcfadden/). She was also invited to an interviewat the University of Southern California's (USC) Marine Biology and Biological Oceanography (MBBO) Ph.D. program.

Craig Dawes, a senior student in CityTech's BIB Program, supported by NIH BTB and mentored by Prof. Mercer Brugler, was invited to a 2-day on-site graduate school interview at the American Museum of Natural History - Richard Gilder Graduate School's Doctoral Program in Comparative Biology

Alisa Kalegina was admitted into the Computer Science and Engineering Department PhD program at University of Washington, Seattle, a premier robotics research facility. She was mentored by Prof. Ashwin Satyanarayana in the Emerging Scholars Program.

2017

"RESOLUTION3" Pavilion, Anzalone, P. **Belopukhova, S., Dwyer, M. A., Jayco, C. N., Oney, A., Ordonez, N., Patrone, K., and Yaseen, A.** Professorial Award for best Project, First Place and Hawthorn Prize for Best Experiential Space, Third Place. FabFest 2017 : Pop-up City, Westminster University, London; 2017.

Marieme Toure, Applied Math major, LSAMP scholar, and NSF S-STEM recipient was accepted into the Computer Science Master's Program, Fall 2017 at New York University, Manhattan campus.

CUNY BA Student, Jawed Rashid, with a Human Service Concentration was awarded the prestigious Gilman International Scholarship.

David Montero, a graduating senior in Electrical and Telecommunications Engineering Technology has just been accepted in the Master's in Electrical Engineering Program at City College. David came to the United States in 2012 from Ecuador not speaking a word of English.

Seven City Tech students (Abdullah Allaoa, Brittiny Dhital, Miguel Gomez, Manuela Hoyos, Nadia Okyere, Elizabeth Rosenzweig and Andrew Wills were invited by Dr. Diana Samaroo from the Chemistry Department to serve as student moderators at the 64th Annual American Chemical Society Research Symposium on May 7, 2017.

2016

Sheila Moaleman (BRSP Scholar) and **Nicole Bellaflores-Mejia** (Bridges to the Baccalaureate Scholar) participated in a NOAA-funded research expedition to the Flower Garden Banks National

Marine Sanctuary in the Gulf of Mexico. The students sailed aboard the research vessel *Manta* and utilized the remotely operated vehicle *Mohawk* to collect deep-sea black corals. September 3-8, 2016. Cruise DFH-30.

Craig Dawes (LSAMP Scholar) received an NSF REU scholarship (~$10K) to conduct research at the American Museum of Natural History during Summer 2016. Mr. Dawes utilized mitochondrial and nuclear DNA to elucidate several new species of deep-sea black coral and successfully presented his research to the museum community on August 4, 2016 at the *2016 Annual Symposium – Research Experience for Undergraduates in Comparative Biology* in the AMNH's Linder Theater.

Sheila Moaleman (BRSP Scholar), **Nicole Bellaflores-Mejia** (Bridges to the Baccalaureate Scholar), **Craig Dawes** (LSAMP Scholar) and **Colin Joseph** (Emerging Scholar) hosted a live telepresence event at the American Museum of Natural History. This event connected participants from the AMNH's *2016 Annual REU Symposium* in real time to scientists on the research vessel *Atlantis* (which were using the deep submersible *Alvin* to explore deep-sea canyons and seamounts in the NW Atlantic Ocean) and scientists from the University of Rhode Island's Inner Space Center; the latter included Robert Ballard, the founder of the *RMS Titanic*. August 4, 2016.

Ana Perez received the 2016 The Staten Island Chapter of the American Institute of Architects George Daddi Scholarship Program. Recipient $1500.00 Scholarship

Yanna Chen, who worked with Prof. Hamid Norouzi and Satya Prakash, was selected for second best poster award under 'Climate Adaptation and Mitigation' theme in NOAA EPP Forum. I had received the certificate on behalf of you. You will also get an email from the Forum shortly to fill up some details so that you can get $200 cash prize too!

Associate degree student Yen Pham was accepted into the BA program in Physics at Boston University and was awarded a scholarship.

Cherise Cumma (ESP and CRSP) was accepted into and completed the 2016-2017 CUNY Futures Initiative Peer Mentors program. Her mentor was Prof. Jean Hillstrom

Applied Math student Thierno Diallo (ESP and MSEIP), who worked with Prof. Boyan Kostadinov on the predictive model for diabetes using R (who along with Applied Math major Andrew Wills presented their work at the MAA MathFest 2016), was just hired as a consultant by the Federal Reserve Bank of New York to work on data analysis projects using R. After his contract expires, he will have the opportunity to get a full-time position. Thierno was also a student tutor for the MSEIP sponsored Code in R program.

2015

Shienier Torres received the 2015 AIA Brooklyn Scholarship Award. Recipient $2000.00 Scholarship

Elizabeth Kolmus, who was mentored by Biological Sciences Professor Mai Zahran, was selected for a 10 week internships in summer 2015 at SULI, Oak Ridge National Laboratories to study computational structure – predication of protein kinase A.

Washington DC – October 9, 2015 — The American Society for Microbiology (ASM) has selected **Manhin Lam** from **New York City College of Technology** as a 2015 award recipient of the ASM Undergraduate Research Capstone Program. **Dr. Davida Smyth** from **New York City College of Technology** is Manhin Lam's mentor. The title of the research project is: Microbiology of the built environment - The changing microbiome of New York City College of Technology. Manhin was supported by the Emerging Scholars Program

Hillstrom, J., Her, P., Cote, E., Strehl, E., Jones, K., Raimie, S., Cumma, C. (2015, May 23-26). Benefits of Expressive Writing: Improvements in Vagal Tone Over Time. Poster presented at the 27th Annual Convention of the Association for Psychological Science (APS), New York, NY. (funded in part by the Emerging Scholars Program and the CUNY Research Scholars Program)

YiMing Yu, Applied Math graduate recently passed his doctoral qualifying exams at NJIT in the Applied Math program. While at City Tech he worked with Prof. Urmi Ghosh-Dastidar and was in DIMACS twice as REU students under different DIMACS grant.

Karmen Yu - Applied Math graduate. She was also in DIMACS doing summer REU. She is currently in Montclair State University doing PhD in Math Education.

Thierno Adouma Diallo received a Student Travel Grant for JMM (Joint Mathematics Meeting) 2015, San Antonio, TX. Mentor: Urmi Ghosh-Dastidar

Thierno Adouma Diallo also received a Student Travel Grant for the Infinite Possibilities Conference at Oregon State university in Corvallis, Oregon, March 2-3. Mentor: Urmi Ghosh-Dastidar

Andrew Wills, an LSAMP student being mentored by Prof. Diana Samaroo in the Chemistry Department, has been selected to the University of Virginia's MHIRT: Minority Health & Health Disparities International Research Training Program for 10-weeks. As a 2015 MHIRT scholar, Andrew will working on a rural health project in St. Kitts & Nevis (Basseterre).

2014

Eugene Fiorini and Urmi Ghosh-Dastidar, *Applying Graphs to Twitter and Brain Connectivity* MAA NREUP grant 2014, summer REU scholars: **Thierno Adouma Diallo** (City Tech student), Atl Arredondo, Hector Fernando Rodriguez Macias, and Jose Luis Ramirez, DIMACS, Rutgers University, June 2 – August 1, 2014, DIMACS (Center for Discrete Mathematics and Theoretical Computer Science) Rutgers University, NJ, (http://www.maa.org/programs/faculty-and-departments/underrepresented-groups/nreup/2014-nreup-programs/2014-rutgers-university).

Biomedical Informatics student **Manhim Lam,** who was an Emerging Scholar with Prof. Davida

Smyth, participated in the Brookhaven National Laboratories one-week research experience program in January 2014.

Former Dental Hygiene students were admitted to Dental School this year. Farid Cumplido is going to NYU and Eric Katsnelson is going to University of Buffalo.

Fabiola Fontaine received a travel award to attend the Annual Biomedical Research Conference for Minority Students, San Antonio, Texas, 12-15th November 2014.

3rd place winner in the 2014 Digilent Design Contest (DDC) held at New York City College of Technology, May 3rd, 2014, Winning entry: "Elderly Independence" Washington Sarmiento, Elvin Bautista, Gin Pena, Yu Wang, Farrukh Zia, and Ohbong Kwon**.**

List of Students got NASA CIPAR Award to conduct two months full time paid internships in NASA centers:

Eric Bravo : Will work as a fulltime summer intern in NASA Goddard Flight Center in Maryland

Thomas Cedric: will work as a full time summer intern in NASA Jet Propulsion Lab in California.

2013

Justen Garner: Goddard Space Flight Center, Maryland
Johnatton Mccadam: Goddard Space Flight Center, Maryland
Michael Johnson: Goddard Space Flight Center, Maryland
Alejandro Segarra: Goddard Space Flight Center, Maryland
Tahir Omar: Goddard Institute for Space Studies (GISS), NYCRI, NY
Abraham Aviles: Goddard Institute for Space Studies (GISS), NYCRI, NY

Christian Sebastien Dalencourt and **Rinaldi Romulus** were admitted into Michigan State University 2013 Summer Research Opportunity Program (MSU-SROP).

Albino Marsetti was accepted into the CUNY 2013 Summer Undergraduate Research Program (CSURP).

Anna Litovskaya gained admission into the 2013 summer NSF-REU at NC State University.

Josel De la Cruz, 2012-2013 Scholarship of Materials and Energy Recovery (MER) Division, American Society of Mechanical Engineers (ASME) awarded (2012)

2012

CUNY Math Challenge: In 2012, Applied Mathematics student Mr. **Damon Cham** tied for second place. He received a $2200 prize. (The first prize was worth $2500). In 2011 **Elizabeth**

Mills earned third place. ($1000 prize). In 2013, Applied Mathematics student Mr. **Yi Ming Yu** won 6th place in the CUNY Math Challenge ($500) prize. He has been accepted into the PhD program in Applied Mathematics at NJIT. He was awarded a full scholarship.

Frank Aline was offered the opportunity to conduct research at Oak Ridge National Laboratories during the summer of 2012

Agossa Segla: Goddard Space Flight Center, Maryland
Edwin Jimenez: Goddard Space Flight Center, Maryland
Salih Shamsuldin: Goddard Institute for Space Studies (GISS), NYCRI, NY
Justen Garner: Goddard Institute for Space Studies (GISS), NYCRI, NY

Olivia Reed, got a travel award from Student Research Conference in Atlanta Georgia to present her research poster. "Comparison of Aerosol Optical Depth (AOD) and Surface Particulate Matter (PM2.5) for New York State".

Yapah Berry, got the travel award from CUNY-LSAMP to do an *oral presentation* for her NASA research in Puerto Rico AMP conference in Peurto Rico. "Characterization of the Shock Table Test".

Five City Tech students were accepted in Rutger's DIMACS REU programs during summer 2011. Students are **Renee Clarke, Yi Ming Yu**, **Karmen Yu**, **Steven Lora** and **Alma Cabral Reynoso**. This work is partially supported by an MAA NREUP grant, 2011 (PI: Eugene Fiorini, DIMACS, Rutgers University, Co-PI: Urmi Ghosh-Dastidar, City Tech).

Prof. Diana Samaroo's student, **Ms. Talha Uddin,** who was mentored under the Emerging Scholar program transferred to CCNY and was granted a C-SURP fellowship for summer 2011

Prof. Vazquez Poritz's student, **Mir Ali** is now at Spartan Health Sciences University, a medical school in the Carribean. His other two former students are both pursuing Bachelor's degrees in Engineering-- **Frenny Ruis** at City College and **Carlos Saint-Victor** at Poly.

Prof. Lansiquot's students: **Alma Cabral Reynoso, Elaine Green,** and **Khadjah Celesti** participated in the Technology Challenge 2011 Pitch Night, an industry initiative to promote women in technology through opportunities in computer science and entrepreneurship. Under the guidance of a mentor they designed apps for the Google Android phone. Other participating colleges were NYU, Columbia, The Cooper Union, University of Genoa, Italy and CCNY.

Christine Kim, mentored by Prof. Tatiana Voza, was accepted to Touro College's School of Pharmacy for fall 2011.

2011
Carla Arielle: Goddard Institute for Space Studies (GISS), NYCRI, NY
She graduated and currently working as Technology Analyst at Goldman Sachs

Anthony Francis Goddard Institute for Space Studies (GISS), NYCRI, NY
Graduated and working as Quality Control Inspector at Makerbot Industries
Olivia Reed Goddard Institute for Space Studies (GISS), NYCRI, NY
Za-y-va Larech Goddard Institute for Space Studies (GISS), NYCRI, NY
Roy St Furcy Goddard Space Flight Center, Maryland
Graduated and working as Field Engineer at Turner Construction Company
Yapah Berry Goddard Space Flight Center, Maryland

2010
Shaul Ranglin and Oseji Ukinamemen, Spring 2010, Received travel award from University of Arizona to present their research. *Osejie's poster awarded the Favorable Mention Award*. Shaul was featured in City Tech website,
http://www.citytech.cuny.edu/aboutus/newsevents/2010sp/mech_ranglin/index.shtml

Frank Aline was awarded a summer 2010 internship through the C-SURP program.

Jodi-Ann Young was a co-author on, "Interaction of Peptides of Hydroxyapatite," Summer 2009 issue of Nanoscape, The Journal of Undergraduate Research in Nanoscience, Vol. 6, issue 1. The work was a result of research she conducted in the summer of 2008 at Northwestern University. In the summer of 2009 she was an undergraduate researcher at Columbia University. She discovered these opportunities herself through the internet. Ms. Young earned an AAS in EM in January 2009 and a BTech Computer Engineering Technology program in 2011, summa cum laude. Jodi-Ann was an officer in the National Society of Collegiate Scholars and a mathematics peer leader in the AIM Program, under the direction of Prof. Janet Liou-Mark. She is currently enrolled in a master's program in Information Sciences at Brooklyn College and serving as City Tech AMP liaison.

Willard Joseph Honors/Emerging Scholars/AMP/BMI student who conducted research at Johns Hopkins University, Summer 2009. **Presented Research at**: Johns Hopkins University, August 2009

Adam Atia, NSF REU 2008 – 2010/BMI/ STEP Scholar, Research Area: Satellite Remote Sensing of Saharan Dust Plumes. Adam traveled across the Atlantic in a NOAA vessel conducting this research.
Presented Research at: University of Texas System Louis Stokes Alliance for Minority Participation, University of Texas, Austin, September 2009. Presented Research at: NOAA- EPP Conference, Howard University, November 2009.

Alma Reynoso, NSF REU 2009 – 2010/BMI Scholar, Research Area: Satellite Remote Sensing of Drought. As a City Tech CREST NSF REU student, Alma was also a member of a CUNY exploratory research team to the Dominican Republic in the Summer of 2009. Through this collaboration she has become a member of CaribEst – a unique research team that is lead by CUNY distinguished scientist Dr. Charles Voorosmarty, Dr . Jorge Gonzalez (CCNY), and Dr.

Reggie Blake (City Tech). The team seeks to implement state-of-the-art satellite and ground-based remote sensing and modeling techniques to the vexing problems of climate change and water resources/water pollution problems of the Caribbean. The project is being sponsored by UNICEF, the US ARMY Corps of Engineers, and NSF. Presented Research at: University of Texas System Louis Stokes Alliance for Minority Participation, University of Texas, Austin, September 2009. Presented Research at: NOAA- EPP Conference, Howard University, November 2009.

Ryan Jiapaul NSF REU 2009 – 2010/BMI Scholar. Conducted climate change research on global cities at Columbia University's NASA/GISS under the guidance of Prof. Blake, Spring 2009. As a City Tech NSF REU scholar, he also conducted research in Satellite and Ground-Based Remote Sensing of Aerosols.

Renee Clarke, Honors/Emerging Scholars/BMI student who conducted research at Rutgers University. **Presented Research at**: Rutgers University, August 2009

Fejzije Bala (New York City Tech Chem Tech grad) In summer 2008 CUNY partnered with Mount Sinai School of Medicine on an NIH grant awarded to fund the Systems Biology Center of New York (SBCNY). SBCNY is a consortium funded by a grant from the National Institute of General Medical Sciences (NIGMS) of the National Institutes of Health, and is housed at the Mount Sinai School of Medicine (MSSM). A portion of the CUNY award specifically provides undergraduate research opportunities for students participating in projects with faculty examining how the effects of molecular interactions are propagated across scales of organization from cells to tissues and organs affecting physiology and pathophysiology. Ms. Bala was one of 5 selected to participate in the program from New York. She was mentored by Profs. Niloufar Haque and Nasreen Haque. In spring 2012 she was accepted into NYU Dental School.

Maraika Jean Noel (LAS), who was mentored by Profs. Niloufar Haque and Nasreen Haque in the Emerging Scholars Program (spring 2008), has been accepted into Medical School in Granada.

National NOAA/NESDIS/STAR/CoRP Symposium at City College (students from all over the country and from the University of Puerto Rico at Mayaguez participated) our City Tech BMI/NSF REU student **Cristal Sampson** won first prize for her Poster Presentation entitled: " First Look at Forecasters' Experiences with High-Temporal Resolution Phased Array Radar Data: An Evaluation Research Study".

Chemistry Prof. Spellane conducted research with two City Tech students at Brookhaven National Labs on an alternate energy project in summer 2009. This work was supported by Prof. Spellane's US Dept. of Energy FaST grant, which is co-sponsored by the NSF through LSAMP. The students were **Noelixa Ortiz** and **Jean Patrick Jerome.**

Punam Thakkar presented a paper she and Prof. Niloufar Haque co-authored at the Annual Biomedical Research Conference for Minority Students held in Dallas in November, 2004, winning an honorable mention from the Federation of American Societies for Experimental

Biology's Minority Access to Research Careers Program for her poster presentation. She is currently an MD student at Downstate Medical School.

Illya Azaroff - I want to give you a brief report regarding the emerging scholars and honors scholars work that I have been conducting along with fellow faculty members. As you know I have worked with students over the past 3 semesters and the work from these students has been well received on several fronts. Emerging scholars work has been accepted and presented to ACSA conferences in Savannah GA, New Orleans LA, and will be shown in the upcoming Interior Worlds conference in Milan Italy. In addition the work has been shown here at City Tech in the poster sessions as well as at the library in the entry gallery windows. It does not stop there; student work was installed at the d3 gallery space in Bushwick. Naturally several publications of the student work has followed, each of the ACSA conferences included the work in the conference journals, a Korean publication has just informed us that they will be publishing the students work and we have submitted the work to several other sources. Lastly Emerging scholars have taken part in the 2nd annual student research conference.

2008, April, **Rebecca Schmucker and Roman Monastyrsky**, Award for being named one of "*The Magnificent 7*" dental technology students in the country, featured in 2008, June/July issue of Journal of Dental Technology.

2008, April, **Rebecca Schmucker and Josephine Bentivegna** won the American Dental Association Scholarship in the amount of $1000.00 each.

2006, Spring, **David Barthold,** one of the three Ivoclar Vivadent scholarship winners of $2500.00.

2005, April. **Beata Reda-Szywala and David Barthold,** published in the Journal of Dental Technology's annual educational issue as "*The 10 Best Dental Laboratory Technology Students"* in the Country.

College Competitions

2014

1st place winner in the 2014 Digilent Design Contest (DDC) held in New York City College of Technology, May 3rd, 2014, Winning entry: " Tele-Operated bi-Manual Augmented System (**TOBIAS**)" **Eugene Babkin, Bijan Bayat Mokhtari, Angjelo Kuka,** Andy S. Zhang, and Ali Harb.

Andrew Wills, mentored by Dr. Diana Samaroo, was accepted to University of Pittsburgh - School of Medicine Summer Premedical Academic Enrichment Program for summer 2014.

2013

1st place winner in the 2013 Digilent Design Contest (DDC) held in Morgan State University, May 12, 2013, Winning entry: "Open Source Robotic Hand" **Eugene Babkin,** Andy S. Zhang, and Ali Harb.

3rd place winner in the 2013 Digilent Design Contest (DDC) held in Morgan State University, May 12, 2013, Winning entry: "Sniff Puppy II." **Zayva Lareche, Maria Vanegas,** Farrukh Zia**,** Andy S. Zhang, Iem Heng, and Ali Harb.

3rd place winner in the 2013 Society of Manufacturing Engineer's (SME) Design and Manufacturing Competition at 2013 American Society for Engineering Education (ASEE) Annual Conference held in Atlanta, Georgia, June 24-26, 2013, Winning entry: "Electromagnetic Cube Manipulator". **Yeugeniy Babkin, George Cheng, Eric Tung, Joel Merino**, Iem Heng**,** Andy S. Zhang, and Ali Harb.

Most Creative Design Award in the 2013 Society of Manufacturing Engineer's (SME) Design and Manufacturing Competition at 2013 American Society for Engineering Education (ASEE) Annual Conference held in Atlanta, Georgia, June 24-26, 2013, Winning entry: "Cam Activated Cube Manipulator". **Bijan Bayat Mokhtari, Zayva Lareche, Angjelo Kuka,** Andy S. Zhang, and Ali Harb.

2012

3rd place winner in the 2012 Society of Manufacturing Engineer's (SME) Design and Manufacturing Competition at 2013 American Society for Engineering Education (ASEE) Annual Conference held in San Antonio, Texas, June 12, 2012, Winning entry: "Rare Loop Finder, a Device to Detect the Formation of Endoscope Loop." **Maria Vanegas, Anthony Francis, Ali Harb, Ethan Wong , Daniel Huljev,** Farrukh Zia and Andy S. Zhang.

2011

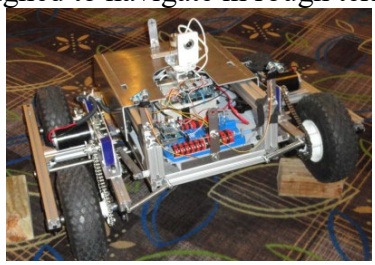
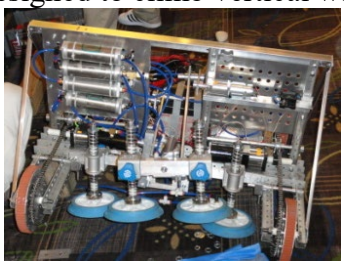
Top 10 semi-finalist of the 2011 ASME Innovation Showcase (ASME ISHOW) at 2011 American Society of Mechanical Engineers Annual Conference, Dallas, Texas, June 11, 2011, Winning entry: "City Tech SniffBot", **Ali Harb, Slawomir Tecza, Fritzpatrick Roque, Carla Araile, Aidan Murphy, An Lin**, Andy S. Zhang, and Iem Heng.

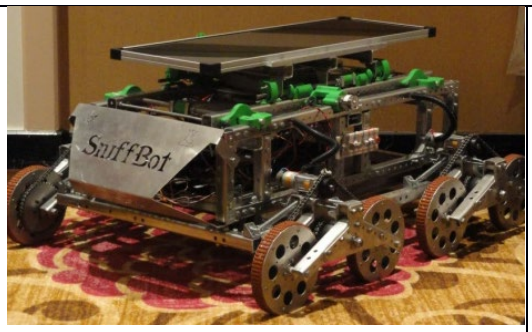
Finalist to participate in 2011 Robotic Innovation Conference and Competition (RICC) held in Woburn, MA on April 10, 2011; Winning Entry: "SpiderBot"; **Aidan Murphy, Raymond Yap, Carla Araile, Peter Segal, Slawomir Tecza,** Iem Heng and Andy S. Zhang.

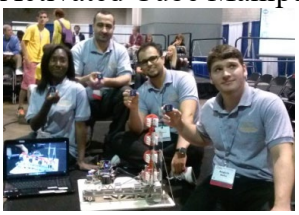
Finalist to participate in 2011 Robotic Innovation Conference and Competition (RICC) held in Woburn, MA on April 10, 2011; Winning Entry: " FlexBot); **Fritzpatrick Roque, Carla Araile, Ali Harb, Anthony Francis, Zayva Lareche, Bijan-Bayat Makhtari,** Andy S. Zhang, and Iem Heng.

Students' Participation in Engineering Design Competitions

	Event	Entry	Students and Mentors	Ranks

1	Robotics Innovations Competition and Conference (RICC), April 10, 2011 Hosted by WPI in MA	FlexBOT Designed to navigate in rough terrains 	Fritzpatrick Roque, Peter Segal, Ali Harb, Anthony Francis, An Lin, Maria Vanegas, Bijan-Bayat Mokhtari Mentors: Dr. Andy S. Zhang and Dr. Iem Heng	One of the top 6 teams to be invited to participate in the 2011 RICC
2	Robotics Innovations Competition and Conference (RICC), April 10, 2011 Hosted by WPI in MA	SpiderBOT Designed to climb vertical wall 	Aidan Murphy, Raymond Yap, Carla Araile, Slawomir Tecza, Peter Segal, Jeffrey Lim Mentors: Dr. Iem Heng and Dr. Andy S. Zhang	One of the top 6 teams to be invited to participate in the 2011 RICC
3	2011 ASME Innovation Showcase (ISHOW), Held on June	City Tech SniffBOT Designed to detect various chemical gases	Ali Harb, Aidan Murphy, Fritzpatrick Roque, Bijan	One of the top 10 semi-finalists to be invited to

	11, 2011 in Dallas, TX		Mokhtari, An Lin, Slawomir Tecza, and Carla Araile Mentors: Dr. Andy S. Zhang and Dr. Iem Heng	attend and compete in the 2011 ASME ISHOW
4	2012 ASEE Society of Manufacturing Engineers Design Competition held on June 12, 2012 in San Antonio, TX	Rare Loop Finder A fiber-optic device designed to detect the formation of endoscope loop inside a patient's body 	Maria Vanegas, Anthony Francis, Ethan Wong, and Ali Harb Mentors: Dr. Farrukh Zia and Dr. Andy S. Zhang	3rd Place
5	2013 U.S. Regional Digilent Design Contest Held in Morgan State University in Maryland on May 10, 2013	SniffPuppy II A small chemical detection robot 	Zayva Lareche Mentors: Drs. Farrukh Zia and Andy Zhang	3rd Place
6	2013 U.S. Regional Digilent	Robotic Arm	Eugene Babkin	1st Place

	Design Contest Held in Morgan State University in Maryland on May 10, 2013		Mentor: Dr. Andy S. Zhang	
7	2013 ASEE Society of Manufacturing Engineers Design Competition held on June 25, 2013 in Atlanta, GA	Electromagnetic Cube Manipulator 	Eugene Babkin, George Cheng, Eric Chung, and Joel Merino, Mentors: Drs. Iem Heng, Andy Zhang, and Farrukh Zia	3rd Place Award
8	2013 ASEE Society of Manufacturing Engineers Design Competition held on June 25, 2013 in Atlanta, GA	Cam Activated Cube Manipulator 	Bijan Mokhtari, Angjelo Kuka, and Zayva Lareche Mentors: Drs. Andy Zhang, Iem Heng and Farrukh Zia	Most Creative Design Award
9	2014 U.S. Regional Digilent Design	Elderly Independence A device to help senior citizens to live independently	Washington Sarmiento, Elvin	3rd Place

	Contest Held in City Tech on May 3rd, 2014		Bautista, and Gin Pena Mentors: Drs. Yu Wang, Farrukh Zia, and Ohbong Kwon	
10	2014 Global Digilent Design Contest Held in Shanghai, China	Tele-Operated bi-Manual Augmented System (T.O.b.I.A.S). 	Eugene Babkin, Bijan Mokhtari, and Angjelo Kuka Mentor: Andy S. Zhang	1st Place