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 February 6, 2020)

2020

2019
Nicholas Finger, Tereza Jezkova, Olivier François, Dean Williams, Adam Leachè, Tristan Charran, Keaka Farleigh, Jason Bracken, Christopher Blair. Genomic data reveal deep lineage divergence and molecular adaptation in the Texas horned lizard (Phrynosoma cornutum). Poster presentation for new Biology PhD student orientation at the Graduate Center. Source of funding: PSC-CUNY award.

Jitendra Singh1,2, William A. Hansen3, Luigi Di Costanzo2,3, Christine Zardecki2,3, Sagar D. Khare3, Stephen K. Burley2,3 Computational Design of a Dinuclear Copper Protein Using Symmetry 1 New York City College of Technology, CUNY, 2 RCSB Protein Data Bank and 3 Institute for Quantitative Biomedicine, Rutgers The State University of New Jersey, ABRCMS 2019, Anaheim CA, November 13-16, 2019.

Jean-Hus Theodore, NYC College of Technology (CUNY), Norma Kanarek, PhD, Environmental Health and Engineering, Johns Hopkins University Bloomberg School of Public Health, Baltimore, MD, USA. What Programmatic Steps Can be Taken to Further the Decline of Colorectal Cancer (CRC) in Maryland? ABRCMS 2019, Anaheim CA, November 13-16, 2019.


Society for Engineering Education Annual Conference & Exposition, Tampa, FL, Paper Number: 24731 (supported by NASA, and CUNY Research Scholars Program (CRSP).


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, 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.


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)


2019, at Lake George, New York. (Supported by the Emerging Scholars Program and MSEIP Grant)


**Xiaona Zhou**, Satyanand Singh, *An Enticing Study of Prime Numbers of the Shape $x^2 + y^2$*, The MAA NJ and MAA Metropolitan New York section, Annual Meeting on October 26\textsuperscript{th}, 2019 at Essex County College, Newark, New Jersey. (Supported by the Emerging Scholars Program)


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]


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]


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]


**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]


**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]


**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].


Than C., H. Norouzi, A. Bah, P. Arunyavikut, 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).


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]

Edgar Gomez. “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]


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)


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

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


Martinez, 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

Martinez, 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)

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.)


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


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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)


Bivens, Jennifer; Satyanarayana, Ashwin; Chen, Jan Way; Pros and Cons of Using Data Analytics 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.


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


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)


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]

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)


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]


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).


2016


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]


Safaa Hassan, “Multicolor Cell Labeling Method in Dorosopilia”, 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. Maclsaac. 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]


**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]

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]


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]


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)


Carlos Alvarez, Mukadder Cinar, Brandow Rojas, Mei Zhu, Ronaldo Carhuarcira, 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]


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]


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)


2015


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)


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]


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


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.


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


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]


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


Nadia Stoyanova Kennedy, Saloua Daouki, and Rushda 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).


François 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)


2015


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


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


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)


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


Ismaila Sanongo 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


2013


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.


Benjamin Joseph, Evaluation and Calibration of the SWAT Hydrological Model and the
SN THERM 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.

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

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

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

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

GuanNian Zeng, Inter-Annual Comparison of Satellite Passive Microwave Data With Ground
based Radiometric Measurements. Abstract H43G-1535 at 2013 Fall Meeting, American

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.

Session of the Greater New York Dental Meeting. Dental Laboratory Technology Student Poster.

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


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


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


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.


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.


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.


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


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

2011

Amit Aggarwal¹, Meroz Qureshy¹, Jason Johnson², James D. Batteas, Charles Michael Drain, and Diana Samaroo, “Responsive porphyrinoid nanoparticles: development and applications” J. Porphyrins Phthalocyanines 2011; 15: 338–349
¹Graduate student and undergraduate student at Hunter College, ²Undergraduate student at City Tech


Investigations into the mechanism(s) of plant metabolites and comestible juices on the loss of rotavirus infectivity. F. S. Ozen¹, S. M. Lipson¹, Dionne Trotman², R. E. Gordon³, S. Malmoud¹, and L. Karthikeyan². St. Francis College, Brooklyn Heights, NY¹, New York City Col. Technol., CUNY², Mt. Sinai Med. Center, New York, NY³. Poster presentation at the American Society for Microbiology’s 111th General Meeting, May 21-24th, 2011, New Orleans, LA.


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.


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


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


Fatma S. Ozen¹, Dionne Trotman²*, Ronald E. Gordon³, Soha Malmoud¹, Laina Karthikeyan², and Steven M. Lipson¹**. 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, NY¹, New York City Col. Technol., CUNY², Mt. Sinai Med. Center, New York, NY³, Harvard Medical College, Cambridge, Massachusetts, April 1, 2011


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


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.


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


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.
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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.


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.


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


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


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


2009


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


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


**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


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


Jean Kubeck, Vera Albrecht, E. Bear, “Juveniles Treated as Adults in the Criminal Justice

2007


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
Mustapha Nadmi. BS in Applied Math from City Tech: Teachers College Columbia University transcript that indicates that he was awarded a Doctor of Philosophy (Major: Mathematics Education) on October 16, 2019.

Moulay Driss Aqil. BS in Applied Math from City Tech: Teachers College Columbia University transcript that indicates that he was awarded a Doctor of Philosophy (Major: Mathematics Education) on October 16, 2019.
BIB student Jean-Hus Theordore was a research intern in the 10-week John Hopkins Bloomberg 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.


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
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 Research 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 interview at 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

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


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

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.


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
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”.

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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
Shaull 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


**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.


**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.


College Competitions

2014

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

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.


2012
2011

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.


Students’ Participation in Engineering Design Competitions

<table>
<thead>
<tr>
<th>Event</th>
<th>Entry</th>
<th>Students and Mentors</th>
<th>Ranks</th>
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<tbody>
<tr>
<td>1</td>
<td>Robotics Innovations Competition and Conference (RICC), April 10, 2011 Hosted by WPI in MA</td>
<td>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</td>
<td>One of the top 6 teams to be invited to participate in the 2011 RICC</td>
</tr>
</tbody>
</table>
| 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 11, 2011 in Dallas, TX | City Tech SniffBOT  
Designed to detect various chemical gases | Ali Harb, Aidan Murphy, Fritzpatrick Roque, Bijan Mokhtari, An Lin, Slawomir Tecza, and Carla Araile  
Mentors: Dr. Andy S. Zhang and Dr. Iem Heng | One of the top 10 semi-finalists to be invited to attend and compete in the 2011 ASME ISHOW |
| 4 | 2012 ASEE Society of Manufacturing Engineers Design Competition | 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 | 3rd Place |
<table>
<thead>
<tr>
<th></th>
<th>Event Description</th>
<th>Team/Project Description</th>
<th>Mentors</th>
<th>Placement</th>
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<tr>
<td>5</td>
<td>2013 U.S. Regional Digilent Design Contest Held in Morgan State University in May 10, 2013</td>
<td>SniffPuppy II A small chemical detection robot</td>
<td>Zayva Lareche</td>
<td>3rd Place</td>
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<tr>
<td>6</td>
<td>2013 U.S. Regional Digilent Design Contest Held in Morgan State University in May 10, 2013</td>
<td>Robotic Arm</td>
<td>Eugene Babkin</td>
<td>1st Place</td>
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<td>7</td>
<td>2013 ASEE Society of Manufacturing Engineers Design Competition held on June 25, 2013 in Atlanta, GA</td>
<td>Electromagnetic Cube Manipulator</td>
<td>Eugene Babkin, George Cheng, Eric Chung, and Joel Merino</td>
<td>3rd Place Award</td>
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<td>No.</td>
<td>Event</td>
<td>Project/Innovation</td>
<td>Mentors</td>
<td>Award</td>
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<td>8</td>
<td>2013 ASEE Society of Manufacturing Engineers Design Competition held on June 25, 2013 in Atlanta, GA</td>
<td>Cam Activated Cube Manipulator</td>
<td>Bijan Mokhtari, Angjelo Kuka, and Zayva Lareche</td>
<td>Most Creative Design Award</td>
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<tr>
<td>9</td>
<td>2014 U.S. Regional Digilent Design Contest Held in City Tech on May 3rd, 2014</td>
<td>Elderly Independence A device to help senior citizens to live independently</td>
<td>Washington Sarmiento, Elvin Bautista, and Gin Pena</td>
<td>3rd Place</td>
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<td>Mentor: Andy S. Zhang</td>
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