

2019 Faculty Research Day Outcomes Report



University of Bridgeport
Division of Research & Economic Development



Executive Summary

March 29, 2019 marked the ninth Faculty Research Day since its inauguration in 2011. The event continues as the premier campus venue for showcasing the diverse array of faculty and student research. For many poster presenters, this event is the first stop before competing in professional conferences throughout the U.S. and around the globe. A total of 129 research projects were presented by faculty and students representing a diversity of academic disciplines. This year, around 300 people attended the daylong event.

Once again, select area high school students participated via 11 posters presented by 24 students from Shelton High School, Notre Dame High School (Fairfield), Fairchild Wheeler Magnet School's IT & Software Engineering High School and a multi-school project comprised of students from Bunnell High School (Stratford), Fairfield Warde High School, Stratford High School, New Canaan High School, and Kolbe Cathedral High School (Bridgeport). This year, owing to UB's growing collaborations with Housatonic Community College, their students were invited to participate, resulting in two poster submissions.



Dr. Tarek M. Sobh,
Executive Vice President
for Research & Economic
Development pauses for a
moment with 2019
Faculty Research Day
Committee Co-chairs, Dr.
Christine Hempowicz
(left) and Dr. Joanna
Badara (right).

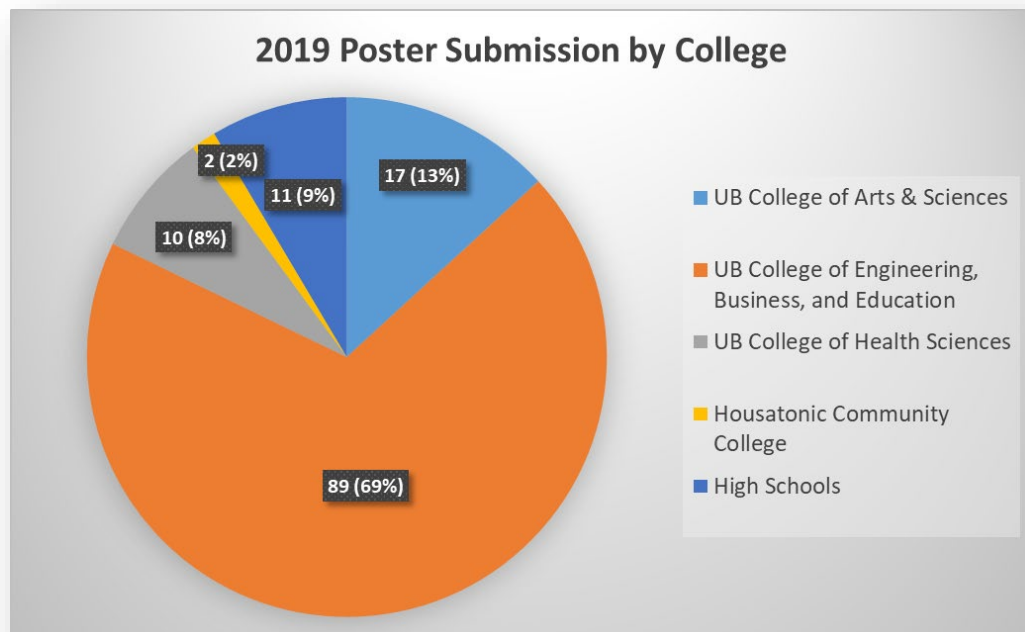
Faculty Research Day is a
competition as well as a
display of research

conducted by faculty and students. UB faculty have the option to compete or submit posters in the non-competitive category. This year, the faculty competitive posters were judged by faculty from Fairfield University, Sacred Heart University, Farmingdale State College, the University of New Haven, and Yale University. Twenty-one UB faculty judged the masters and doctoral student posters and 14 UB doctoral and masters students judged the undergraduate and high school posters. All doctoral, masters, undergraduate, and high school students were judged to determine first, second, third, and honorable mention honors for each level.

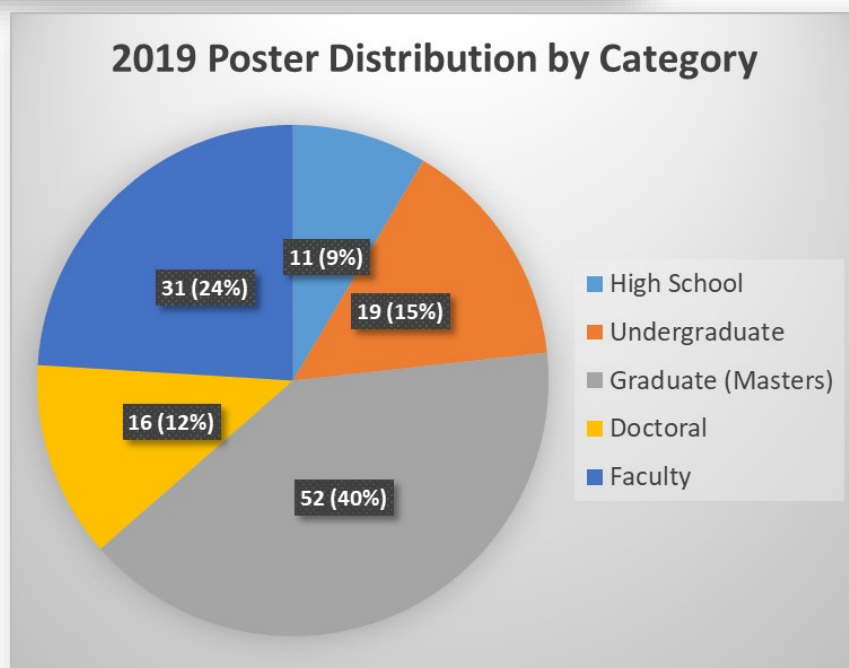
Posters were on display in the Schelfhaudt Gallery in the Bernhard Arts & Humanities Center, with the area high school posters presented in the adjoining hallway. Poster presenters had ample opportunity to speak with interested members of the UB community and guests in the morning poster session.

Social media outreach on Facebook, Twitter and Instagram was intensified. Recorded and live video interviews from the morning poster session, keynote speaker and awards ceremony were posted @UBridgeportFRD and #UBFRD.

This year's total 129 posters are sourced as follows: 89 from the College of Engineering, Business, and Education; 17 from the College of Arts & Sciences; 10 from the College of Health Sciences; two from Housatonic Community College; and 11 from area high schools. The distribution of submissions by college and high schools is presented in the chart below.



The distribution of poster submission by category reveals masters level graduate students as the majority participant category, with 52 (40%) of the 129 posters, followed by faculty with 31 posters (24%), 19 undergraduate posters (15%), 16 doctoral posters (12%), and 11 high school posters (9%). See chart to the right.



Morning Poster Session



Left: Morning poster session in the Schelfhaudt Art Gallery. **Middle:** Isabella Theberge, SASD undergraduate student, explains her research project. **Right:** Trinadh Venna demonstrates the roving robot.

Faculty Research Day began in the large and small venues within the Schelfhaudt Art Gallery with 116 posters submitted by UB faculty and students, two by Housatonic Community College students, and 11 posters authored by high school students. The 11 area high school student posters were displayed in the adjacent hallway. An estimated 300 people attended, including the presenters, to view various research on disciplines ranging from “*Machine Learning Based Feature Reduction for Network Intrusion Detection Relationship between Credit and GDP*” to “*Evaluation of a Teacher Preparation Program*” to “*Variant Route of the Subclavian Artery Potential Cause of Thoracic Outlet Syndrome*” and “*Design to Combat the Effects of Greenhouse Gases and Pollution.*”



Left: Undergraduate Biology students Ameya Patkar and Taylor Brown explain their award-winning research titled, “*Metformin as a Possible Inducer for Antibiotic Resistance in Gut Microflora,*” conducted under the mentorship of Assistant Professor Stergios Bibis.

Keynote Speech

2019 Faculty Research Day's keynote speech featured internationally known robotics expert Bruno Siciliano, Ph.D., Director of the Interdepartmental Center for Advanced Robotics in Surgery (ICAROS) and Coordinator of the PRIMA Lab, University of Naples Federico II (Naples, Italy). His topic, "*The Future is Now! Robots, AI and Automation*," was interesting and engaging for Faculty Research Day's wider audience, from high school students to Ph.D. faculty representing a diversity of academic disciplines.

Dr. Siciliano shared his view on the role of robotics as working together with humans rather than replacing humans in most human-held jobs. According to Dr. Siciliano, the ethical dilemma of human OR robot dichotomy is better viewed as human AND robot, i.e., a collaboration. He took the audience through the history of robots and illustrated the ways in which they already help in our daily lives, such as in surgery and manufacturing. In fact, robots are preferred for some hazardous work, such as disaster response and deep space exploration. The question and answer period provided audience members with the opportunity to discuss additional aspects of ethics and the human-robot interface with Dr. Siciliano.

Right: Dr. Siciliano engages the audience.
Below: Attendees listen thoughtfully to Dr. Siciliano in Littlefield Auditorium.



Oral Presentations

Select students and faculty from various disciplines provided compelling oral presentations on a variety of research topics.

Maria Besselink, an undergraduate psychology student, presented on *“The Relationship between Locus of Control, Rejection Sensitivity, and Anxiety Sensitivity: Impacts on Adjustment to College,”* a topic jointly studied with recently graduated student Jasmine Ayad and mentor Dr. David Oberleitner, associate professor of Psychology and chair of the psychology department. Maria also placed third in undergraduate posters for her topic, “The Impact of Social Isolation on Coping Style Utilization.”

Next, Issa Dababneh, currently a graduate student in the School of Education who completed his undergraduate degree in mathematics, presented the research topic in mathematics, “Golden Penney Ante.” The research involved a game for finding winning probabilities and was conducted with UB’s assistant professor of mathematics, Dr. Ryan McCulloch, and Dr. Mark Elmer of SUNY Oswego.



Left: Maria Besselink ***Middle:*** Issa Dababneh ***Right:*** Carolyn South

A doctoral student in the School of Education’s Educational Leadership program was the final student presenter. Caroline South spoke on *“The Impact of a School Wide Social Emotional Learning Program on School Climate: A Mixed Methods Case Study of the RULER Program.”* Her research advisor is Dr. Nancy DeJarnette. She introduced the audience to the RULER program, an evidence-based social emotional learning (SEL) program, and her research on its

impact, approached through a combination of statistical analysis, descriptive survey analysis, combined with interview and observation data to produce a comprehensive explanation.



Left: Dr. Mark Pitcher, Director of Health Science Inter-professional Research.

Right: Dr. Khaled Elleithy, Vice President for Research and Economic Development and Professor of Computer Science and Engineering

The second hour shifted to faculty presentations. Dr. Mark Pitcher, Director of Health Sciences Inter-professional Research spoke in-depth about the “*High Impact Chronic Pain in the United States*,” explaining that High Impact Chronic Pain (HICP) is a newly proposed concept that takes into account both disability and pain duration. Dr. Pitcher’s research focuses on the epidemiology of chronic pain. New to UB, he just completed a postdoctoral fellowship at the National Center for Complementary and Integrative Health (NCCIH) at the National Institutes of Health (NIH) in Bethesda, MD.

Dr. Khaled Elleithy concluded the afternoon oral presentations session. Vice President for Research and Economic Development and professor of Computer Science and Engineering, his presentation was titled, “*The Magical Technology: Quantum Computing*,” in which he explained the main principles of quantum computing, the variety of its applications, and its future. Current applications are used in online security, artificial intelligence, drug development, weather forecasting, climate change predictions, traffic control, to name a few.

UB STEM Bus Exhibition

UB's new, grant-funded STEM bus was on display just outside the Bernhard Center in the afternoon. Dr. Ruba Deeb, STEM bus director and associate professor of Biomedical Engineering and Technology Management, staffed the exhibit along with UB STEM bus student workers. Faculty Research Day participants enjoyed the tour, the hands-on activities, and discussions on the possibilities envisioned with its sophisticated equipment.



Left: Beth Ritter, Marketing Manager for Kubtec, demonstrates the XPERT 20 Specimen Radiography System to students. ***Right:*** Students practice maneuvering the Dash robots.

Social Media Impact

Miguel Arroyo's Social Media Team share the day's events with a wider audience. 2019 Faculty Research Day logged 17,131 impressions on social media for the day: 2,264 on Facebook, 10,526 on Twitter and 4,341 on Instagram. Fifteen recorded videos of students, faculty, Dr. Siciliano and Dr. Sobh were posted on social media. Video views totaled 4,218: 1,588 on Facebook, 1,488 on Twitter, and 1,142 on Instagram. While there was a decrease on impressions and views on Facebook compared with last year's metrics, we saw a significant increase in impressions and views on Twitter and Instagram.

Awards Ceremony

The day ended in the Schelfhaudt Gallery with the awards ceremony and a reception of cheese and wine. Dr. Tarek Sobh, Executive Vice President for Research and Economic Development and Dean, College of Engineering, Business, and Education, thanked everyone for their commitment to research on campus before announcing the awards. In the high school, undergraduate, graduate, and doctoral categories, first, second, and third place were awarded as well as honorable mentions. The faculty competitive category had three unranked awards.



Awardees: Faculty Competitive

Left: School of Nursing faculty member Dr. Elizabeth Armstrong accepts her award from Dr. Sobh. (Not pictured – co-researcher Dr. Linda Wagner) **Middle:** Engineering faculty members Dr. Miad Faezipour and Dr. Abdelshakour Abuzneid accept their award from Dr. Sobh. **Right:** School of Business faculty member Dr. Nikki Wingate accepts her award from Dr. Sobh.

Faculty Research Day 2019: Faculty Competitive Posters		
Name	Poster Title	School/College
Abdelshakour Abuzneid & Miad Faezipour	Machine Learning Based Feature Reduction for Network Intrusion Detection	School of Engineering
Elizabeth Armstrong & Linda Wagner	Families in Transition: The Lived Experience of Parenting a Transgender Child	School of Nursing
Nikki Wingate	Narrow, Powerful, and Public: The Influence of Brand Breadth in the Luxury Market	School of Business

Awardees: Doctoral Students



Left: 2nd place awardee co-author Emily Scholl accepts the award from Dr. Sobh.

Faculty Research Day 2019: Doctoral Student Poster Winners				
	Name	Advisor	Poster Title	School/College
1 st Place	Ozden Tozanli	Elif Kongar	A Supplier Selection Model for End-of-Life Product Recovery: An Industry 4.0 Perspective	School of Engineering
2 nd Place	Holly Zimmermann & Emily Scholl	Kevin Kelliher	Variant Route of the Subclavian Artery Potential Cause of Thoracic Outlet Syndrome	College of Chiropractic
3 rd Place	Carolyn South	Nancy DeJarnette	The Impact of a School Wide Social Emotional Learning Program on School Climate: A Mixed Methods Case Study of the RULER Program	School of Education
Honorable Mention	Razan Abdulhammed, Hassan Musaffer, Miad Faezipour, Abdelshakour Abuzneid	Miad Faezipour & Abdelshakour Abuzneid	Towards Efficient Features Dimensionality Reduction for Network Intrusion Detection on Highly Imbalanced Traffic	School of Engineering

Awardees: Graduate (Masters) Students



Top Left: Dr. Sobh with 1st Place awardee, Kelly Mulligan, and poster advisor Dr. Joanna Badara. **Top Right:** Dr. Sobh and 2nd Place awardee Arushi Sharma, and poster advisor Dr. Alex White. **Bottom Left:** Dr. Sobh with 3rd Place awardee, Olivier Nsababera. **Bottom Middle:** Dr. Sobh with Honorable Mention awardee, Kathan Nawale, with poster advisor Dr. Nasir Sheikh. **Bottom Right:** Dr. Sobh with Honorable Mention awardee, Qi Wu, and poster advisor Dr. Bhushan Dharmadhikari.



Faculty Research Day 2019: Graduate Student Poster Winners				
	Name	Advisor	Poster Title	School/College
1 st Place	Kelly Mulligan	Joanna Badara	Evaluation of a Teacher Preparation Program	School of Education
2 nd Place	Arushi Sharma, Kunal Basra, Sanchay Gumber	Alex White	Captivating Customers – The Maritime Aquarium at Norwalk	School of Design
3 rd Place	Olivier Nsababera	Philip Maymin	Analytics to Understand Coups d'etat in USA	School of Business
Honorable Mention	Kathan Nawale	Nasir Sheikh	Improving Sheet Metal Process Using Lean Manufacturing	School of Engineering
Honorable Mention	Qi Wu & Debika Debnath	Bushan Dharmadhikari	Interaction of Graphene and Polycaprolactone at Atomic Level	School of Engineering

Awardees: Undergraduate Students



Left: Dr. Sobh with 1st Place awardees, Ameya Patkar and Taylor Brown, and poster advisor Dr. Stergios Bibis. ***Right:*** Dr. Sobh with 3rd Place awardee Maria Besselink, and poster advisor Dr. David Oberleitner.

Faculty Research Day 2019: Undergraduate Student Poster Winners				
	Name	Advisor	Poster Title	School/College
1 st Place	Ameya Patkar & Taylor Brown	Stergios Bibis	Metformin as a Possible Inducer for Antibiotic Resistance in Gut Microflora	School of Arts and Sciences
2 nd Place	Nicolas Cardenas Portaccio, Christopher Martucci, Kareem Saleh	Sarosh Patel	Automated Beach Cleaner	School of Engineering
3 rd Place	Maria Besselink	David Oberleitner	The Impact of Social Isolation on Coping Style Utilization	School of Arts and Sciences
Honorable Mention	Khayla Reid		The Effects of Acid Rain on the Environment	Housatonic Community College

Awardees: High School Students



Left: Dr. Sobh with 1st Place awardee, Antara Pal (Acton Boxborough Regional High School) and UB student Wu Qi. **Right:** (l-r) Gavriela Ziu-Pires, Shelton Interim Supervisor of STEM, Dr. Sobh, 2nd Place awardees Joe Davis and Cam Gumbs (Shelton High School), and Shelton teacher James McDougall.

Faculty Research Day 2019: High School Poster Winners			
	Name	Poster Title	School
1 st Place	Antara Pal, Pegi Haliti, Wu Qi	Investigation of Cancer Cell Migration through Varying ECM Arrangements	Acton-Boxborough Regional High School (MA)
2 nd Place	Joe Davis and Cam Gumbs	Honeybee Population Declines and Strategies for Mitigation	Shelton High School
3 rd Place	Calie Valenzisi, Jaqueline Leal, Abbigail Reyes, Keyna Morales, Nicole Dejusti	How Can Bridgeport Girl Coders Teach Girls in Bridgeport Computer Science Skills?	Fairchild Wheeler Magnet High School – IT & Software Engineering
Honorable Mention	Malcom Brown, Tristan Saldanha, Melissa Wilson, Ann Pakhayev, Nhut Hoang, Kafo Bagagnan, Jason Miguel	Remington Park	Stratford High School, Bunnell High School, Fairfield Warde High School, Kolbe Cathedral High School, & New Canaan High School

2019 FACULTY RESEARCH DAY

POSTER LIST

FACULTY COMPETITIVE POSTERS

Poster Number	Name (First)	Name (Last)	UB College	Poster Title
1	Abdelshakour	Abuzneid	College of Engineering, Business and Education	Machine Learning Based Feature Reduction for Network Intrusion Detection
2	Elizabeth	Armstrong	College of Health Sciences	Families in Transition: The Lived Experience of Parenting a Transgender Child
3	Barbara	Davis	College of Health Sciences	A new herbal formulation with demonstrated clinical efficacy and safety in promoting weight loss
4	Timothy	Dorr	College of Engineering, Business and Education	Transformative Learning: Preparing for Contemporary Chinese Student Pedagogy Demands -- A Paper Presented at Columbia University
5	James	Durrell	College of Arts and Sciences	Urban Pollinator Community Abundance and Richness: Bridgeport, Connecticut
6	Joanne	Guo	College of Engineering, Business and Education	China's Monetary Policy Since 1948
7	Emmett	Hughes	College of Health Sciences	Evaluation of hyaluronan content in areas of densification compared to adjacent areas of fascia
8	Philip	Maymin	College of Engineering, Business and Education	The Conventional Past, Behavioral Present, and Algorithmic Future of Risk and Finance
9	Nasir	Sheikh	College of Engineering, Business and Education	Strategic Roadmapping for Policymaking: ICT in Public Safety Networks
10	Nikki	Wingate	College of Engineering, Business and Education	Narrow, powerful, and public: The influence of brand breadth in the luxury market

STUDENTS AND FACULTY NON-COMPETITIVE POSTERS

COLLEGE OF ENGINEERING, BUSINESS AND EDUCATION

Key:

FC: Faculty Competitive

FNC: Faculty Non-Competitive

D: Doctoral

G: Graduate

UG: Undergraduate

SCHOOL OF ENGINEERING

Poster Number	Name (First)	Name (Last)	Status	Poster Title
11	Sultan	Alkhaldi	U	Solar Powered Water Pump
12	Abdullah	Alkhater	U	Solar Powered Lawn Mower
13	Mohammed	Althaiban	U	Music Industry and Blockchain based smart contract
14	Anastasiia	Babenko	U	Arduino-Based Remote-Controlled Robotic Arm with Recording and Repeating Capabilities
15	Nicolas	Cardenas Portaccio	U	Automated Beach Cleaner
16	Thong	Le	U	Arduino-based Smart Attic Fan System
17	Hanbing	Liu	U	A Novel Method for Recognition, Localization, and Alarming to Prevent Swimmers from Drowning
18	Krutarth	Sailor	U	Quality Control and Material Handling System Using Cognex Vision
19	Zainab	Al Taweel	G	Network Virtualization Technologies and Challenges
20	Saeed	Alshamrani	G	Art Provenance using Block chain for authenticity
21	Shetalika	Asthana	G	Emulated Operation of a Robotic Manipulator by Electromyography Signals
22	Pritesh	Bhavsar	G	MQTT and ROC Based Hybrid Robot as a Service (RaaS) Platform
23	Mandar	Bhosale	G	Strategy Oriented Project Management for Business Development

Poster Number	Name (First)	Name (Last)	Status	Poster Title
24	Kai	Chen	G	Using Signal Processing Techniques to Detect Sleep Apnea Events
25	Michelle	Davis	G	Analysis of Potential Protein Biomarkers in Epithelial Ovarian Cancer Using the Gene Expression Omnibus Database
26	Heena Rajesh	Divecha	G	Targeting Tumors Using Invasive Assays Through Magnetosprillium Magneticum
27	Aditya Ashok	Ghume	G	Design Optimization of Flywheel Energy Storage System Rotor for Wind Power Smoothing
28	Pegi	Haliti	G	Cellular-based Computational Model of hMSC Differentiation into Neuronal Lineage on Nanofibrous PCL- Graphene Scaffolds
29	Rutvij Dhananjay	Joglekar	G	Training Within Industry
30	Baidar	Khan	G	Energy Efficient Clustering for Heterogeneous Wireless Sensor Networks - A Survey
31	Suchitra	Kondayath	G	Election Voting Using Blockchain
32	Hemanth Kumar	Kumar	G	Digital passport on block chain
33	Dipanshu	Marwah	G	A molecular dynamics study of interactions of Gabapentin with LAT1 transporter in Blood Brain Barrier
34	Naveena	Meka	G	Providing Security, Immutability and Transparency to Voting System using Blockchain technology
35	Kathan	Nawale	G	Improving Sheet Metal Process Using lean Manufacturing
36	Harika	Para	G	Enhancing the Security And Authenticity of Insurance Claims Using Block chain Technology
37	Sri Kanth	Pothukuchi	G	Identity Protecting using Blockchain
38	Kajalben	Rajput	G	Smart automation system
39	Bhumika	Shah	G	Bio-Gas Plant Project for Waste Management and Energy Generation
40	Soumil Nitin	Shah	G	An Overview of Block Chain Technology and Application
41	Sreenadh	Sribhashyam	G	Experimental and Computational Study of a Closed Loop Cooling System for High Performance Electronics
42	Qi	Wu	G	Interaction of graphene and polycaprolactone at atomic level

Poster Number	Name (First)	Name (Last)	Status	Poster Title
43	Yiyao	Wu	G	Blockchain Technology & Intellectual Property Protection
44	Nayef	Yar	G	Flywheel Regenerative Braking System
45	Razan	Abdulhammed	D	Towards Efficient Features Dimensionality Reduction for Network Intrusion Detection on Highly Imbalanced Traffic
46	Thomas	Arciuolo	D	ARTEMIS Next Generation Aviation Emergency Recorder Locator: An improved underwater pinger locator for downed aircraft
47	Mohammad	Daneshzand	D	Closed Loop Deep Brain Stimulation for Parkinson's Disease with Frequency Modulation
48	Gazi	Duman	D	Forecasting E-Waste in Presence of Limited Data
49	Susrutha Babu	Sukhavasi	D	Evaluation of Temporal readout noise in low power CMOS Sensors
50	Suparshya Babu	Sukhavasi	D	A Noise Immune Technique to Suppress the Temporal Noise for Wide Dynamic Range CMOS Sensors
51	Moizuddin	Syed	D	Use of Image Processing technology for construction reporting
52	Ozden	Tozanli	D	A Supplier Selection Model for End-of-Life Product Recovery: An Industry 4.0 Perspective
53	Muhammad	Wasimuddin	D	A Key Solution to Vehicle Purchase Process Using Blockchain Technology
54	Burcu	Yildiz	D	Blockchain and Wearables Integration: A New Approach for Supply Chain Management
55	Felipe	Zapata Roldan	D	Agent Based Modeling in Design Management: Building Agent Profiles for New Product Development
56	Serap	Zel	D	Artificial Intelligence in Human Resource Management: A game changer in talent acquisition
57	Zheng	Li	FNC	Computer Aided Design and Analysis on an Energy Efficient Mechanical System
58	Xingguo	Xiong	FNC	Balloon/Drone-based Aerial Platforms for Remote Particulate Matter Pollutant Monitoring
59	Linfeng	Zhang	FNC	A SCADA system implemented with PLC Controllers and LabVIEW

SCHOOL OF BUSINESS

Poster Number	Name (First)	Name (Last)	Status	Poster Title
60	Qian	Gu	UG	A Cognitive Bias-10 Minutes to Save \$10
61	Sifat	Jahan	UG	Irrational Behavior Can Cost Your Money
62	Juan	Munoz Torres	UG	How Nike's "Dream Crazy" Campaign used Social Issues to Profit
63	Anita	Basukala	G	Immigration and Immigrant in the USA
64	Rama Krishna	Casula	G	R, SAS or Python: Let's Compare!
65	Manshi	Garg	G	Pattern of Internet Usage among Management and Engineering Teachers: A Comparative Study
66	Sumit	Gautam	G	R, SAS or Python in Business Analytics
67	Marouane	Hairabi	G	Relationship between credit and GDP
68	Namrata	Jain	G	Financial Well-Being: Individualistic Behavior
69	Kausika Priya	Kankanala	G	Effect of Hyperbolic Discounting - A Cognitive Bias
70	Briana	Livingston	G	A Dog's Impact On Empathy and Decision Making
71	Matheus	Moreira Lima	G	Smart Cities: Enhancing a Smart Framework for Energy Infrastructure
72	Olivier	Nsababera	G	Analytics to understand coups d'etat in USA
73	Sri Lalith Bharadwaj	Poduri	G	Effect of Framing-Cognitive Bias
74	Fnu	Robin	G	Demonetization In India
75	Darshan Jatin	Sheth	G	Do Employees Need Money To Perform Social Work?
76	Shreyas	Sthapit	G	Strategically Leveraging Business Analysis to Manage Project Portfolio
77	Xueru	Sun	G	Current Outsourcing Industries Status in China
78	I Jung	Tseng	G	To Work or To Go for Education
79	Stefan	Zivkovic	G	Political manifestos
80	Edward	Jankovic	FNC	Can Ukraine's wheat market provide success to its farmers in the current economic and financial environment?
81	Gew-Rae	Kim	FNC	New Fundamental Analysis Revisited Buffett-Graham-Dodd
82	Marc	Lewis	FNC	Exploring Implementing a CMA Program into an Undergraduate Accounting Program

Poster Number	Name (First)	Name (Last)	Status	Poster Title
83	Marc	Lewis	FNC	Educating Accounting Students in Big Data and Analytics
84	Michael	Lohle	FNC	Strange Conceptual Bedfellows: Assessing Grounded Theory For Effective Virtual Student Team Project Delivery Via Knowledge Management, Qualitative Research and Management Theory
85	Phillip	Maymin	FNC	SpeedVision: Maximum-Speed-Weighted Voronoi Diagrams for the NFL
86	Philip	Maymin	FNC	Maimonides Risk Parity
87	Carrie	Picardi	FNC	The Accuracy of Employee Performance Evaluation Across Global Cultural Dimensions & Moderating Effects of Rater Personality Traits
88	Congsheng	Wu	FNC	Economic Freedom and Prosperity

SCHOOL OF EDUCATION

Poster Number	Name (First)	Name (Last)	Status	Poster Title
89	Lauren	Bowers	G	Trap-ed in the City: An Action Research Study on the Impact of Emdin's "Reality Pedagogy" in the Urban Music Classroom
90	Kelly	Mulligan	G	Evaluation of a Teacher Preparation Program
91	Caroline	South	D	The Impact of a School Wide Social Emotional Learning Program on School Climate: A Mixed Methods Case Study of the RULER Program
92	Nancy	DeJarnette	FNC	The UB-Discovery STEM On Wheels Project
93	Lori	Noto	FNC	What Expectations Do Young Adults With Autism Spectrum Disorders And Their Families Have For The Transition into Adulthood?

COLLEGE OF ARTS AND SCIENCES

Poster Number	Name (First)	Name (Last)	Status	Poster Title
Biology				
94	Ameya	Patkar	UG	Metformin as a possible inducer for antibiotic resistance in gut microflora
Math and Physics				
95	David	Kraft	FNC	An Idealized Scenario for Energy Generation by Nuclear Fusion
Music				
96	Frank	Martignetti	FNC	Engagement and Disillusionment in High School Chorus
Professional Studies				
97	Timothy	Raynor	FNC	Vertical Integration of a Rural Coffee Cooperative's Value Chain
Psychology				
98	Maria	Besselink	UG	The Impact of Social Isolation on Coping Style Utilization
99	Kevin	Kane-Bratchell	UG	Mindful-Based Therapy: Neurological Benefits of Mindfulness for Adults with Autism
100	Donna	Demararig	FNC	Examining acculturation, gender, and BMI across different racial and ethnic groups
Public and International Affairs				
101	Srishti	Puri	G	Modi's Social Media Effects on Media: Analysis of Big Data from Indian Elections in 2014
102	Arati	Rana Magar	G	The Cost of Climate Change on Food Security
Shintaro Akatsu School of Design				
103	Carly	Lesko	UG	Flourish: A Successful Homeless Transition
104	Rachael	Watcke	UG	Why Common Spaces Are Important In Dormitories
105	Isabella	Theberge	UG	BIOPHILIC DESIGN: EFFECTS ON YOUTH DEVELOPMENT
106	Justin	Canas	G	Design to Combat the Effects of Greenhouse Gases and Pollution
107	John	Chick	G	Design Thinking for Cadenza Innovation and Lithium-Ion Battery Technology
108	Brisa	Barraza Ozuna	G	Eco-MindIn Improving Patients Experience with Augmented Reality Technology
109	Arushi	Sharma	G	Captivating Customers - The Maritime Aquarium at Norwalk

COLLEGE OF HEALTH SCIENCES

School of Chiropractic				
Poster Number	Name (First)	Last (Name)	Status	Poster Title
110	Holly	Zimmermann	D	Variant Route of the Subclavian Artery Potential Cause of Thoracic Outlet Syndrome
111	Mathew	DiMond	FNC	Rehabilitation Expertise in the Chiropractic Profession: A Preliminary Survey
School of Naturopathic Medicine				
112	Anthony	Pascucci	D	Morphological Comparison of Parkinson's and Huntington's post-mortem brains
113	Samantha	Pryor	D	How Does Superoxide Dismutase 1 Cause Familial Amyotrophic Lateral Sclerosis and Treatment Options?
School of Nursing				
114	Christine	Booth	FNC	Bridging Medical Simulation with Computer Science and Engineering: A Growing Field of Study
Physician Assistant Institute				
115	Megan	Hughes	G	Prenatal Omega-3 Polyunsaturated Fatty Acids and Allergic Risk
Health Sciences Inter-Professional Research				
116	Mark	Pitcher	FNC	Trend's in opioid-related deaths in Connecticut 2012-2018

HOUSATONIC COMMUNITY COLLEGE

Poster Number	Name (First)	Name (Last)
117	Brandon Taylor, Robert Foley	Little Liberia Digital History Project: Using technology to help tell the untold history of Bridgeport
118	Khayla Reid	The Effects of Acid Rain on the Environment

HIGH SCHOOL PARTICIPANTS

Poster Number	Authors	Poster Title
	Acton - Boxborough Regional High School	
119	Antara Pal, Pegi Haliti, Wu Qi	Investigation of Cancer Cell Migration Through Varying ECM Arrangements
	Fairchild Wheeler Magnet High School- IT & Software Engineering	
120	Callie Valenzisi, Jacqueline Leal, Abbigail Reyes, Keyna Morales, Nicole Dejusti	How can Bridgeport Girl Coders teach girls in Bridgeport computer science skills?
121	Jesse Costa, Jalen Benne	RoTech Ware In Helping Hands
122	Bryan Diaz	How can we aide those who are going through mental health
	Notre Dame Fairfield	
123	Tim Bannon	Algae Biofuels in Aviation
124	Maryanna Genduso	Comparison of Worm Castings and Chemical Fertilizers
125	Xavier Schneiderman	BIOTECHNOLOGY APPLICATIONS IN SPACE AND ENGINEERING APPROACH
	Shelton High School	
126	Siddharth Jain	A Comparative Analysis of R and SPSS on Panel and Cross-sectional Data for Labor Cost over Thirty Years
127	Kyle Young	Clean Screen
128	Joe Davis, Cam Gumbs	Honeybee Population Declines and Strategies for Mitigation
	Stratford High School, Stratford Project	
129	Malcolm Brown/Bunnell HS	REMINGTON PARK
	Tristan Saldanha/Fairfield Ward HS	
	Melissa Wilson/Stratford HS	
	Ann Pakhayev/New Canaan HS	
	Nhut Hoang/Stratford HS	
	Kafo Bagagnan/Kolbe Cathedral HS	
	Jason Miguel/Bunnell HS	