

Faculty Research Day 2017 Outcomes Report



University of Bridgeport
Division of Graduate Studies and Research



Executive Summary

2017 marks the seventh Faculty Research Day since its inauguration in 2011. The event has become firmly established as the premier campus venue to showcase the diverse array of faculty and student research and for many of its participants, this event is the first stop before competing in professional conferences throughout the U.S. and around the globe. Over 350 attendees attended this year's event, including some members of UB's Board of Trustees and Bridgeport Mayor Joseph P. Ganim.

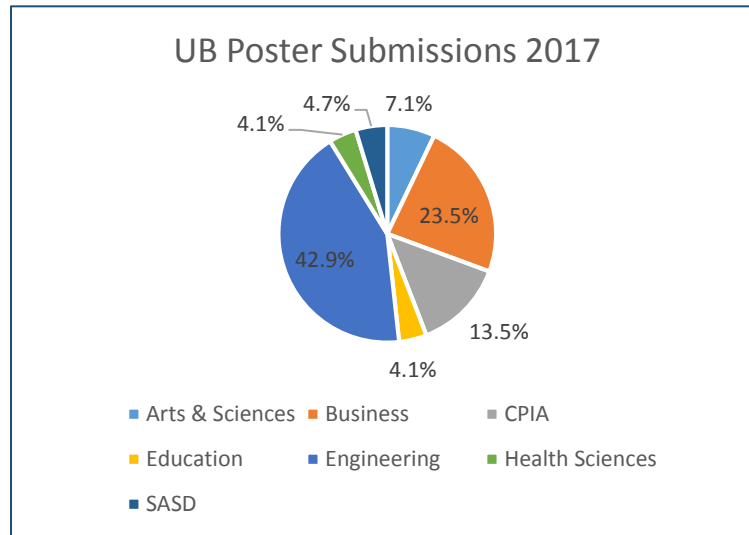


Bridgeport Mayor Joseph P. Ganim (second from the left) poses with Dr. Tarek Sobh, Senior Vice President for Graduate Studies and Research, Dr. Robert Riggs, Chair, Faculty Research Day Committee, and Dr. Christine Hempowicz, Director, Office of Sponsored Research and Programs.

The Schelfhaudt Gallery in the Bernhard Arts & Humanities Center was transformed into a scholarly showcase with wall-to-wall posters and additional posters exhibited across the Gallery's center space. A total of 174 research projects were on display representing a diversity of academic disciplines. Faculty had the opportunity to learn about research conducted by colleagues, which sometimes results in new collaborations across departments, schools and colleges. Student poster presenters were visited by faculty judges and both faculty and students had the opportunity speak with interested members of the UB community and guests. Social media outreach was intensified this year through new initiatives: Facebook live video interviews and live streaming of the morning poster session and the keynote speech.

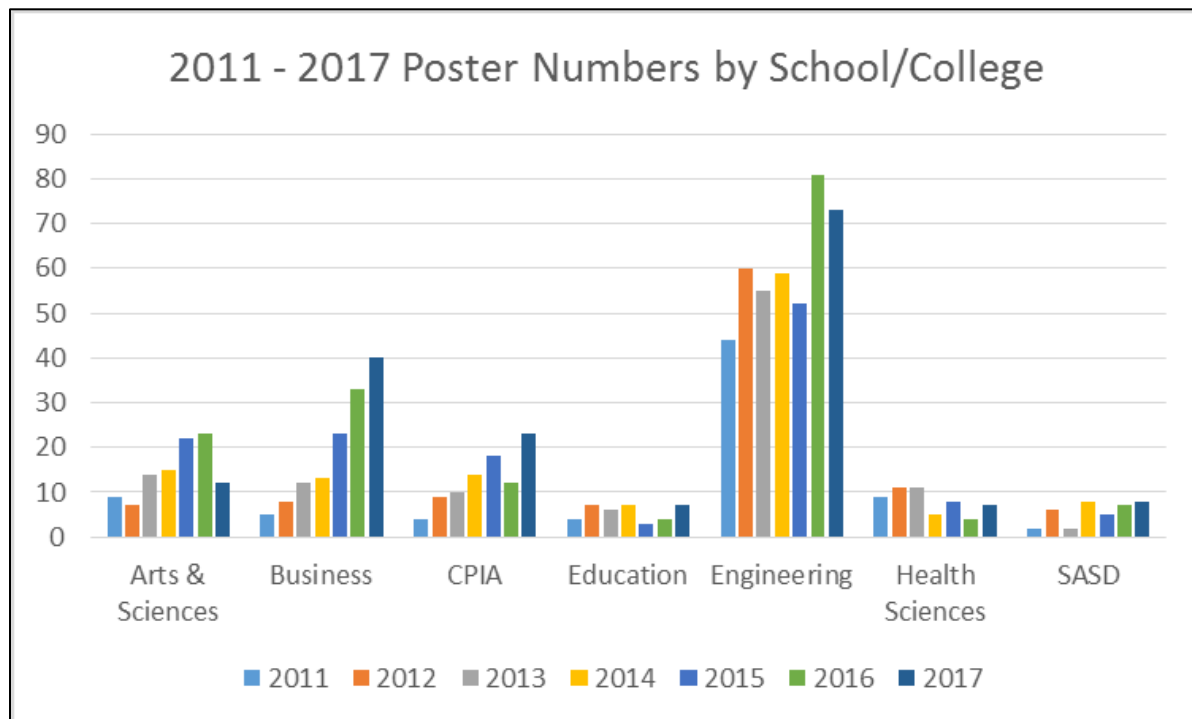
Poster submissions are accepted in five categories: undergraduate students, graduate students, doctoral students, faculty competitive, and faculty noncompetitive. Again this year, Fairchild Wheeler Interdistrict Magnet High School had four representative student posters on display. This year's total 170 UB faculty and student posters are sourced as follows: 73 from the School of Engineering, 40 submitted by the Ernest C. Trefz School of Business, 23 from the College of Public and International Affairs, 12 from the School of Arts and Sciences, eight from the Shintaro Akatsu School of Design, and seven each from the School of Education and disciplines within the Division of Health Sciences. Percent submissions by school or college for this year's event are presented in Figure 1.

Figure 1. Poster Submissions by Schools and Colleges



While UB's School of Engineering once again dominated the number of submissions at 42.9%, (see Figure 1), the number of posters submitted by UB's Ernest C. Trefz School of Business faculty and students reached 23.5%, which represents a continued increase seen over the last three years (see Figure 2).

Figure 2. Poster Numbers by UB School/College from 2011-2017



Morning Poster Session



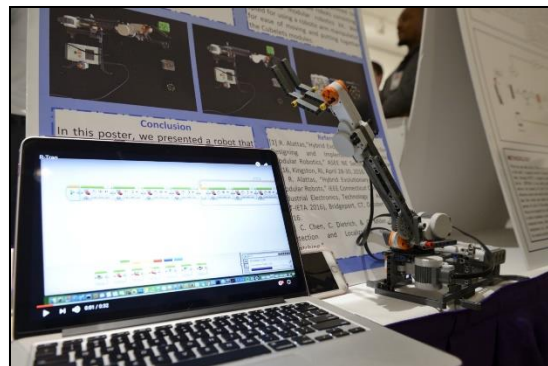
Left: Morning poster session in the Schelfhaudt Art Gallery. *Center:* UB President Neil Albert Salonen listens attentively to a research presentation. *Right:* Dr. Tarek Sobh poses with Dr. Kevin Kelliher, Faculty Research Day Committee member, and Dr. Alex White

Faculty Research Day began in the large and small venues within the Schelfhaudt Art Gallery with 170 posters submitted by UB students and noncompetitive faculty, as well as four posters on display that were authored by high school students. The nine faculty competitive posters lined the entrance to the gallery. An estimated 350 people attended, including the presenters, to view various research on disciplines ranging from immigration and the economy to social construction of the abuse experience to the impact of microcredit on the poor in Sierra-Leone and aircraft structure manufacturing. Though students from the School of Engineering submitted a collective 60 posters, each student's research shed light on a different aspect of engineering; each project was different from the last. An increased number of models, prototypes and computer simulation demonstrations were set up with their respective posters this year.



Left: Undergraduate SASD student Justin Collado shows his product design prototype.

Below: Robotic arm with poster display.



Keynote Speech

The Keynote Speech was presented by Donald H. Sebastian, Ph.D., on the topic, “Beyond the Scholarship of Discovery – Opportunities for Academic Research.” Dr. Sebastian is President and CEO of NJ Innovation Institute, an NJIT 501c3 corporation that operates within a new model for business innovation. The presentation was both informative and thought-provoking as Dr. Sebastian described how NJ Innovation Institute that departs from the linear model of technology transfer to approach research and partnerships in the context of a three-level organization focus: science level, technology level, and system level.



Left: Dr. Sebastian addresses his audience on innovative pathways to successful research endeavors. *Center:* Attendees packed into Littlefield Auditorium. *Right:* Undergraduate student Jonathan Stupple asks as question.

Seed Money Grant Awardees Symposium



Left: Dr. Buket Barkana, Associate Professor of Electrical Engineering, presents research findings on “The Influence of Emotional States on Short-Term Memory Retention by Using Electroencephalography (EEG) Measurements: A Case Study.” *Right:* Dr. Jeongkyu Lee, Associate Professor of Computer Science and Engineering, speaks on his study, “Omnidirectional Panoramic Stitch Algorithm using SURF.”

This year, the afternoon faculty poster talk session was devoted to presentations of research outcomes from UB’s 2016 Seed Money Grant recipients. The Seed Money Grant Program

provides modest internal grants through a competitive process to support early stage research results for publication and grant-seeking. It is open to full-time faculty. The six awardees from 2016 represent the following disciplines: Counseling, Education, Electrical Engineering, Mechanical Engineering, and Computer Science and Engineering.



Left: Dr. Xingguo Xiong, Associate Professor of Electrical Engineering, explains his research on “Biochip with Cu-Graphene Glassy Carbon Electrode for Glucose Sensing.” *Right:* Dr. Jessica Nelson, Assistant Professor of Counseling, speaks on, “Investigating Athletic Identity among Division II College Student-Athletes.”

Awards Ceremony

The day ended in the Schelfhaudt Gallery with the awards ceremony and a reception of cheese and wine. Dr. Rob Riggs, Chair of the Faculty Research Day Committee welcomed participants to the awards ceremony and turned the program over to Dr. Tarek Sobh, Senior Vice President for the Division of Graduate Studies & Research and the Dean of the School of Engineering. Dr. Sobh thanked everyone for their commitment to research on campus before announcing the awards. In the undergraduate, graduate, and doctoral categories, first, second, and third place were awarded as well as honorable mentions. The faculty competitive category had four unranked awards.

A full list of awardees follows, as does a full list of entrants, including the Fairchild Wheeler Interdistrict Magnet High School students.

Social Media Impact

This year, for the first time the morning poster session and keynote speech were streamed live. Of the 538 total views, 46% of viewers were in Saudi Arabia, followed by 37% in the U.S. Total time viewed was 1,554 minutes. Faculty Research Day’s Facebook page reached 17,412 users between October 2016 and March 2017. This year’s first ever live video interviews on the day garnered 2,200 views.

Awardees: Undergraduate Students



Left: Undergraduate student honorable mention recipient Justin Collado with Dr. Tarek Sobh and poster advisor Professor Richard Yelle. Right: Undergraduate student first place recipient Nicole Valentine is joined by Dr. Tarek Sobh and poster advisor Dr. Kathleen Engelmann.

Faculty Research Day 2017: Undergraduate Student Poster Winners				
	Name	Advisor	Poster Title	School/College
1 st Place	Nicole Valentine	Kathleen Engelmann	Determining Stress Tolerance of <i>H. dujardini</i> Subjected to Extreme Conditions	Arts & Sciences
2 nd Place	Veronica Celone	Kathleen Engelmann	The Effectiveness of Current Urinalysis Reflex Criteria on Urine Cultures	Arts & Sciences
3 rd Place	Priscilla Mathew	Sandra Stramoski	Exploring Contributing Factors to Oral Health Disparities Seen Among Adult Immigrants	Dental Hygiene
Honorable Mention	Justin Collado	Richard Yelle	Smart Inhaler: A Modern Medical Device	SASD

Awardees: Graduate Students



Left: Graduate student honorable mention recipient Oluwatosin Akegbejo Samsons with Dr. Tarek Sobh. *Center:* Graduate student honorable mention recipient Samuel Ojetola with Dr. Tarek Sobh. *Right:* Graduate student first place recipient Shrishti Singh with Dr. Tarek Sobh and poster advisors Dr. Prabir Patra and Dr. Isaac Macwan.

Faculty Research Day 2017: Graduate Student Poster Winners				
	Name	Advisor	Poster Title	School/College
1 st Place	Shrishti Singh	Prabir Patra and Isaac Macwan	Study of Interactions between Single Walled Carbon Nanotubes and a Flagellin-specific Library of Tripeptides	Engineering
2 nd Place	Evelin Perez Maldonado	Nikki Wingate	2017 Super Bowl LI Best Marketing Trends	Business
3 rd Place	Akhilesh Borgaonkar	Jeongkyu Lee	Trends Analysis of Vehicle Collisions Using Hadoop and Spark	Engineering
Honorable Mention	Samuel Ojetola	Michael Omidiora	Modelling and Mitigation of Switching Transients from Inductive Load	Engineering
Honorable Mention	Oluwatosiin Akegbejo Samsons	Robert Riggs	Impact of Microcredit on the Poor in Sierra-Leone	CPIA

Awardees: Doctoral Students



Educational Leadership doctoral student Paul Gruhn accepts his third place award from Dr. Tarek Sobh and is joined by poster advisor Dr. Linda Paslov.

Faculty Research Day 2017: Doctoral Student Poster Winners				
	Name	Advisor	Poster Title	School/College
1 st Place	Razan Abdulhammed	Miad Faezipour and Khaled Elleithy	Detecting Malicious Behavior for the Sensors and Actuators Embedded in Medical Devices: A Hardware Approach	Engineering
2 nd Place	Eugene Gerety	Khaled Elleithy	Context-Free Decoding of High-Density 2D Bit Fields with Alias Disambiguation	Engineering
3 rd Place	Paul Gruhn	Linda Paslov	Online Education: What Works! What Doesn't! A Mixed Methods Program Evaluation	Education
Honorable Mention	Abdulrahman Aldhaheri	Jeongkyu Lee	Event Detection on Large Social Media Using Temporal Analysis	Engineering

Awardees: Faculty Competitive



In the Faculty Competitive category, winners earned an unranked award. Recipients are listed alphabetically by last name.

Left: School of Education faculty member Dr. Joana Badara accepts her Faculty Research Poster award from Dr. Tarek Sobh, along with co-researcher Dr. Buket Barkana. *Center:* School of Engineering faculty member Lesley Frame, Ph.D, accepts her award from Dr. Tarek Sobh. *Right:* The College of Public and International Affairs faculty member Dr. Chunjuan Nancy Wei accepts her award from Dr. Tarek Sobh. *Dr. Michael Lohle, the fourth faculty competitive poster awardee, is not pictured.*

Faculty Research Day 2017: Faculty Competitive Posters		
Name	Poster Title	School/College
Joana Badara, Ph.D.	The Influence of Emotional States on Short-Term Memory Retention by Using Electroencephalography (EEG) Measurements: A Case Study	Education
Lesley Frame, Ph.D.	Distortion in Heat Treated Tube: A Materials Engineering Approach	Engineering
Michael Lohle, Ph.D.	Knowledge Management Using Student Feedback: A Study of Online Students' Lived Experience in Virtual Teams	Business
Chunjuan Nancy Wei, Ph.D.	Making Waves: Recent Developments of the South China Sea Disputes	College of Public and International Affairs

FACULTY RESEARCH DAY 2017

POSTER LIST

FACULTY COMPETITIVE POSTERS

Poster Number	Name (First)	Name (Last)	Status	UB College/School	Poster Title
1	Abdelshakour	Abuzneid	FC	School of Engineering	Fortified End-To-End Anonymity and Location Privacy Using IoT
2	Ioana	Badara	FC	School of Education	The Influence of Emotional States on Short-Term Memory Retention by Using Electroencephalography (EEG) Measurements: A Case Study
3	Lesley	Frame	FC	School of Engineering	Distortion in Heat Treated Tube: A Materials Engineering Approach
4	Joanne	Guo	FC	School of Business	Quantitative Easing and U.S. Financial Asset Returns
5	Michael	Lohle	FC	School of Business	Knowledge Management using Student Feedback: A Study of Online Students' Lived Experience on Virtual Teams
6	Philip	Maymin	FC	School of Business	When Can You Pick Up Fallen Fruit?
7	Muhammad	Uddin	FC	School of Engineering	Predicting Educational Relevance For an Efficient Classification of Talent
8	Peter	van Geldern	FC	College of Public and International Affairs	The Mongol House Project
9	Chunjuan Nancy	Wei	FC	College of Public and International Affairs	Making Waves: Recent Developments of the South China Sea Disputes

SCHOOL OF ARTS AND SCIENCES

Poster Number	Name (First)	Name (Last)	Status	Poster Title
10	Maxime	Altidor	UG	Physical and Emotional Impacts of Paternal Absence on Young Men in College
11	Veronica	Celone	UG	The Effectiveness of Current Urinalysis Reflex Criteria on Urine Cultures
12	Allen	Iza	UG	The Extraction of Hops for Inhibition of Bacterial Growth
154	Frida	Randen	UG	Use of GAP Programming to Create Matrix Rings
13	Meredith	Barone	G	Social Construction of the Abuse Experience: Traumatic Bonding or Co-Dependency?
14	Sasha	Collins	G	Sex Trafficking Awareness among Emergency Department Staff and Healthcare Providers
15	David	Gant	G	Exploring the Relationship Between Self-assessment of a Meditation Experience and Physiological Changes to Participants' Brains
16	Joseph	Guarneri	G	Exploring the Developmental Outcomes of First-Year Experience Seminars (in-progress)
17	Jeffrey	Harris	G	The Fight Against Colorism in the Black Community
18	Rebecca	Lamb	G	A Sense of Purpose, Place, and Community at Sacred Heart University
19	David	Kraft	FNC	Evolution of Asteroid Orbits in a Restricted Three-Body Formulation
20	Nicole	Valentine	UG	Determining Stress Tolerance of <i>H. dujardini</i> Subjected to Extreme Conditions

ERNEST C. TREFZ SCHOOL OF BUSINESS

Poster Number	Name (First)	Name (Last)	Status	Poster Title
153	Sai Sindhuja	Chopparapu	UG	What is Green Accounting?
21	Jide	Afon	G	Building CSR and Ethical Values into Organizational Culture
22	Sarah	Andrade Rosa	G	Influence of a Coach's Salary on a NCAA's DI Football Team's Winning %
23	Alen	Chery	G	Are Homicides Rising or Falling in U.S. Cities?
24	Rebecca	Ciullo	G	JetBlue v. Delta: Battle of the Baggage
25	Shirlin	Higgins	G	First Generation Students in Higher Education
26	Roudabeh	Jamshid Eini	G	Does Data Support Trump's Claim that Unauthorized Immigrants Cause Rising Crime Rates?
27	FNU	Kishan Chandra	G	Organizational Behaviors Inspired from the Wilderness
28	Jing	Liu	G	Trade Openness and Emerging Stock Markets
29	Anthony	Lopez	G	The Effects of Sustained Cognitive Dissonance and Perceived Inequity on Employees
30	Zulfana	Maknojia	G	Unintentional Injury Related Deaths in USA
31	Zulfana	Maknojia	G	Organizational Culture: A Business Imperative
32	Basma	Mohamed	G	The Most Important Predictors to the IMDB Movies US Box Office Success
33	Onyowoicho	Obekpa	G	Measuring Cross-Culture Variance: Examining the Use of 😊😊😊 across Chinese and American Student Populations
34	Phoebe	Patterson	G	Shattering The Glass Ceiling: It's Long Overdue
35	Evelin	Perez Maldonado	G	2017 Super Bowl LI Best Marketing Trends
36	Rajeev	Rathore	G	Education Level and Jobs: State by State Opportunities in USA
37	Prachanda	Thakuri	G	FIFA World Cup Stats
38	Viktoria	Tkachenko	G	What Not to Do: The "Don't's" of Slides: How to Avoid the Most Common Mistakes When Preparing PowerPoint Presentations
39	Ulvi	Verdizada	G	Fake News on Facebook and Public Reaction
40	Jufang	Yan	G	China's Capital Outflow
41	Timothy	Dorr	FNC	City of Bridgeport: Seeding Southend Commercial Infrastructure
42	Lloyd	Gibson	FNC	Leadership Potential of Asian and American Business and Non-Business Students
43	Joanne	Guo	FNC	Quantitative Easing and Emerging Markets
44	Frederick	Harmon	FNC	Nonprofit Sector, Latest Accounting Advances
45	Gew-Rae	Kim	FNC	Immigration and Economy

Poster Number	Name (First)	Name (Last)	Status	Poster Title
46	Marc	Lewis	FNC	An Exploration of Overconfidence in the Utilization of Financial Advisors
47	Edward	Lisi	FNC	Organizational Behavior Meets Marketing - Increasing Productivity with Art in the Workplace
48	Samuel	Lota	FNC	Top 10 Most Effective Marketing Strategies in Business to Consumer Marketing (B2C)
49	Philip	Maymin	FNC	From Noob to Smurf: Advanced Analytics for League of Legends
50	Carrie	Picardi	FNC	Organizational Structure's Relationship to Job Satisfaction: Moderating Effects of Personality
51	Timothy	Raynor	FNC	Part Time Faculty's Enforcement of Academic Integrity Policies
52	Robert	Todd	FNC	Moving From Making Money to Creating Wealth
53	Nikki	Wingate	FNC	The Influence of Mortality Focus on Guilt Advertising Effectiveness
54	Nikki	Wingate	FNC	The Effect of Word-of-Mouth Communications on Consumer Fairness Perceptions
55	Nikki	Wingate	FNC	Fairness Management: China, Taiwan, Japan, and South Korea
56	Congsheng	Wu	FNC	A Looming US-China Trade War

COLLEGE OF PUBLIC AND INTERNATIONAL AFFAIRS

Poster Number	Name (First)	Name (Last)	Status	Poster Title
57	Hamad	Alsaeed	UG	Sino-Saudi Relations: Geopolitics, Energy, Taiwan, and Chinese Muslims
58	Louise	Ovner	UG	Women's Empowerment through Promotion of Menstrual Hygiene Management
59	Christian	Peterson	UG	The Lord of the Rings Trilogy Exceeds in Cultivating Fine Art Through the Medium of Film
60	Pedro	Ramos	UG	The Impact of Music on Short Term Memory and Cognitive Processes
61	Kristina	Smith	UG	Korea: The Divided Peninsula

Poster Number	Name (First)	Name (Last)	Status	Poster Title
62	Jonathan	Stupple	UG	Assessing Causes for the Poor State of Women's Rights in Egypt
63	Oluwatosin	Akegbejo Samsons	G	Impact of Microcredit on the Poor in Sierra-Leone
64	Hassan	Awwad	G	Main Obstacles to Turkey's Accession to the European Union
65	Swechhya	Bhattarai	G	Women Refugee Crisis
66	Marissa	Delgado	G	The Rights of the Fated
67	Daphnee	Nazon	G	Soft Power of Korean Culture
68	Martina	Santia	G	Climate-Induced Displacement in Small Island Developing States: The Next Threat to Global Governance?
69	Mohammed	Al-Azdee	FNC	Bias Toward Chiropractic: Effects of Frame Salience in Globalized Media on Google PageRank
70	Rebecca	Bruckenstein	FNC	Drug Cartels and Corruption: How to Stem Violence and Corruption in Mexico
71	Robert	Riggs	FNC	Global Networks, Local Concerns: Investigating the Impact of Emerging Technologies on Shi'i Religious Leaders and Constituencies
72	Peter	van Geldern	FNC	Collaborative Student Learning in a Creative Agency Environment
73	Peter	van Geldern	FNC	Digital Storytelling with Augmented Reality
74	Thomas	Ward	FNC	The Comfort Women Controversy (Cont.) Korea vs. Taiwan
75	Qianru	Yang	FNC	Sinology Education & Traditional Chinese Cultural Heritage
76	Qianru	Yang	FNC	History through Film: A New Subject of History Studies for Teaching in China
77	Yanmin	Yu	FNC	Comparative Analysis of the Core Values among Different Groups of Chinese People

SCHOOL OF EDUCATION

Poster Number	Name (First)	Name (Last)	Status	Poster Title
78	Casey	Cummings	D	Best Instructional Practices for English Language Learners: A Program Evaluation
79	Paul	Gruhn	D	Online Education: What works! What doesn't! -- A Mixed Methods Program Evaluation
80	Thomas	Christ	FNC	Mixed Methods and Action Research: Methodologies for Special Education
81	Nancy	DeJarnette	FNC	Preschool STEAM: Yes They Can!
82	Nelson	Ngo	FNC	The Place of Earth and Space Science and Engineering Design in the Next Generation Science Standards
83	Linda	Paslov	FNC	Know Your Audience: Effectively Communicating the Results of a Pre-engineering Program

SCHOOL OF ENGINEERING

Poster Number	Name (First)	Name (Last)	Status	Poster Title
84	Patricio	Flores	UG	Low Cost Home Automation
155	Xuan	Zhang	UG	An 8-bit Low Power Energy Recovery Full Adder Design
85	Olumide	Adebayo	G	Social Media Big Data Approach to Emotional Intelligence
86	Elyas	Alhazmi	G	Optimized Irrigation System of Water Conservation Using WSN Systems
87	Nupur	Baisakhiya	G	Cloud Bleeding-Typos Leaking Your Information

Poster Number	Name (First)	Name (Last)	Status	Poster Title
88	Soumita	Banerjee	G	Does Unemployment Influence Mass Shootings on the USA
89	Grace	Beke	G	Demystifying McCarthy's 4 P's Of The Marketing Mix: To Be Or Not To Be
90	Akhilesh	Borgaonkar	G	Trends Analysis of Vehicle Collisions using Hadoop and Spark
91	Ishita	Choudhury	G	Separation and Characterization of Cells with Varying Magnetic Nanoparticle Concentration
92	Sumantha	Doddabyadarahalli Shivalingu	G	Data Privacy- AES Using Secure Hashing
**93	Abul Hasan	Fazulullah	G	Secure Transmission with Matrix Encryption and Data Compression Mechanism
94	Ogo Oluwa	Folorunso	G	Role of Media Publics in the Implementation Of New Technologies
95	Usman	Halim	G	Temperature Controlled 3D Bio-Printing Using Polymeric Ink
96	Kavya Chandrika	Hemmanur	G	Graphene Patterned Microchip for Colorectal Cancer detection
97	Chidi	Igweh	G	Rapid Detection Of Active Tuberculosis Using Coal Derived Quantum Dots
98	Abdulhameed	Jastaniyah	G	The Importance of Multimedia in Information Revolution
99	Sai Teja	Kadiyala	G	Security/Privacy in Health Care Monitoring Using Wireless Sensor Networks
100	Bashar	Alhafni	UG	HASP_Overview
101	Karan	Kakanur Patel	G	High Altitude Thermal Control
102	Ankarao	Kalluri	G	Synthesis and Fabrication of Graphene Quantum Dots- Polypyrrole (GQDs-PPy) Nanocomposites in Bioengineering Applications as Supercapacitors and Fluorescent Probes

Poster Number	Name (First)	Name (Last)	Status	Poster Title
103	Nouman	Khan	G	Design and Installation of a Direct Exchange Ground Source Heat Pump System
104	Muhammad Bahauddin	Khan	G	Auto Student Attendance System Using Student ID Card via Wi-Fi
105	Suman	Khatri	G	Hemolytic Disease of the New Born- Erythroblastosis Fetalis
106	Kshitij	Kolhatkar	G	Radiosensitization & Hyperthermia as Cancer Therapy
107	Prashant Dnyaneshwar	Mane	G	Study and Analysis of the Shaping Tool Fixture
108	Sharath Kumar	Marri	G	Study on Transient Thermal Analysis of a Disc Brake During Braking and Releasing Periods
109	Tejesh	Marsale	G	Temperature Controlled 3D Bio-printing Using Bio-polymeric Ink
110	Prasad Prakash	Modi	G	Big Data Approach to Traffic Violation Data Analytics
111	Krishnendu	Mukherjee	G	Design Of An Active CPU Cooler Incorporating Heat Spreader
112	Ajay Menon	Muralidhar	G	Heating Oil Level Detection and Assistance Using Amazon Alexa
113	Neha	Nomula	G	Authentication Using Voice Recognition and Timestamp OTP
114	Samuel	Ojetola	G	Modelling and Mitigation of Switching Transients From Inductive Load
115	Adeola	Oyebola	G	Evaluating and Improving Marketing Productivity
116	Ranjeet	Pokharel	G	Mechanical Properties of Novel Bionanocomposites
117	Gayathri	Puranik	G	Wearables for Anaphylaxis
118	Vivek Anant	Raut	G	Design, Analysis and Fabrication of Thermoacoustic Refrigeration
119	Richard Johnson	Selvaraj	G	Aircraft Structure Manufacturing Using 3D Printing to Reduce Material Loss
120	Shrishti Brown	Singh Samantha	G	Analysis of Emergent Electronic Properties of Self-assembling Nucleopeptides

Poster Number	Name (First)	Name (Last)	Status	Poster Title
121	Shrishti Ray	Singh Anushka	G	Interaction between Nucleoside diphosphate kinase and Graphene oxide and Its Impact on Cardiovascular Diseases
122	Shrishti	Singh	G	Study of Interactions between Single Walled Carbon Nanotubes and a Flagellin-specific Library of Tripeptides
123	Alagappan	Solayappan	G	Energy Efficient Routing Protocols and Efficient Bandwidth Techniques in Underwater Wireless Sensor Networks
124	Shiva	Sundaram	G	UB CanSat Competition 2017
125	Tejas Shivaji	Tharkude	G	Review of Low Temperature Air Generation from Vehicle Suspension System
126	Abhinay Suhas	Todmal	G	Design of an Active CPU Cooler Incorporating Heat Spreader
127	Marvin	Xavierselvan	G	FPGA based Directional Control of MTB cells for Bioengineering Applications
128	Razan	Abdulhammed	D	Detecting Malicious Behavior for the Sensors and Actuators Embedded in Medical Devices: A Hardware Approach
129	Abdulbast	Abushgra	D	SSK Initiated by Third Party and Superposition Submissions
130	Adwan	Alanazi	D	Energy Efficient QoS Routing Protocol for Handling Hidden Nodes in in Wireless Multimedia Sensor Networks
131	Reem	Alataas	D	Fully Autonomous Reproduction Robotic System
132	Abdulrahman	Aldhaheeri	D	Event Detection on Large Social Media Using Temporal Analysis
133	Hussain	Alhassan	D	A Study on the Performance of IEEE 802.16-2004 Includes STBC

Poster Number	Name (First)	Name (Last)	Status	Poster Title
134	Muneer	Alshowkan	D	Deterministic And Efficient Three-party Quantum Key Distribution
135	Qassim	Bani Hani	D	Secure and Strong Mobile Cloud Authentication
136	Anas	Bushnag	D	Source Anonymity in WSNs using Real/Fake Packet Injections
137	Gazi	Duman	D	Big Data Analytics in Supply Chain Management: A Literature Review on Supply Chain Analytics
138	Wafa	Elmannai	D	A Highly Accurate and Reliable Data Fusion Framework for Guiding Visually Impaired
139	Eugene	Gerety	D	Context-Free Decoding of High-Density 2D Bit Fields with Alias Disambiguation
140	Zakareya	Lasefr	D	An Efficient Automated Technique and Smartphone Application for Epilepsy Seizure Detection Using EEG signals
141	Reem	Mahjoub	D	Grid-based Model for Recovery of Lost Connectivity in Wireless Sensor and Actor Networks
142	Suparshya Babu	Sukhavasi	D	CMOS Technology in Sensing Fields
143	Omar	Abuzaghleh	FNC	Data Visualization and Analysis Using R
144	Miad	Faezipour	FNC	Real Time Sleep Detection System Using New Statistical Features of the Single EEG Channel
145	Jeongkyu	Lee	FNC	Omnidirectional Panoramic Stitch Algorithm using SURF
146	Zheng	Li	FNC	Computer Aided Modeling and Simulation of Pressure Vessel Design
147	Jani	Pallis	FNC	Automatic Gait Balance Detection System

Poster Number	Name (First)	Name (Last)	Status	Poster Title
148	Alicia	Petryk	FNC	Iron oxide Nanoparticle Enhancement of Ionizing Radiation Cancer Therapy
149	Muhammad	Uddin	FNC	Predicting Educational Relevance For an Efficient Classification of Talent
150	Peiqiao	Wu	FNC	Design of Self-cycling QCA Multiplier
151	Xingguo	Xiong	FNC	Biochip with Cu-Graphene Glassy Carbon Electrode for Glucose Sensing
152	Linfeng	Zhang	FNC	The Future of the District Heating System at the University of Bridgeport

ACUPUNTURE INSTITUTE

Poster Number	Name (First)	Name (Last)	Status	Poster Title
156	Jennifer	Brett	FNC	Acupuncture Needle Counting - An Observational Study

COLLEGE OF NATUROPATHIC MEDICINE

Poster Number	Name (First)	Name (Last)	Status	Poster Title
157	Frank	Song, Jr.	G	Wallerian Degeneration Surveyed in Poliomyelitis

COLLEGE OF CHIROPRACTIC

Poster Number	Name (First)	Name (Last)	Status	Poster Title
158	Alexis	Kantor	D	Hand Flexor Tendon Injuries Involving the A2 and A4 Pulleys in Rock Climbers
159	Christopher	Good	FNC	Standardizing the Chiropractic Technique Curriculum: Consensus Results of Two Inter-Collegiate Workshops
160	Emmett	Hughes	FNC	Comparing the Hyaluronan Content of Fascia at Centers of Coordination (CCs) and non-CCs

FONES SCHOOL OF DENTAL HYGIENE

Poster Number	Name (First)	Name (Last)	Status	Poster Title
161	Amanda	Genovese	UG	Oral Cancer Screening Habits Performed by Registered Dental Hygienists
162	Priscilla	Mathew	UG	Exploring Contributing Factors to Oral Health Disparities Seen Among Adult Immigrants

SHINTARO AKATSU SCHOOL OF DESIGN

Poster Number	First Author-Name	Name (Last)	Status	Poster Title
163	Justin	Collado	UG	Smart Inhaler: A Modern Medical Device
164	Meghan	Kennedy	UG	Visitability Creating Inclusive Communities
165	Pippa	Ellis	G	Rethink Connecticut's Tidal Salt Marsh Restoration Efforts
166	Hussein	Hussein	G	University of Bridgeport Innovation Center
167	Jingwei	Kang	G	Kubtec - Medical Imaging
168	Yanjinkham	Munkhbat	G	Hope for Haiti: Enriching Relationships with Design Thinking
169	Alice	Scalfi	G	Upper Extremity Prosthetics: Designing A Life Without Limits
170	Gary	Munch	FNC	Jardim Bravia: A Visual Analogue to Beta-amyloid Entanglement Expressed in a Typeface Using Pseudo-random OpenType Glyph Selection and Replacement

Key:

FC Faculty Competitive
FNC Faculty Non-Competitive
UG Undergraduate Student
G Graduate Student
D Doctoral Student

SELECT POSTERS

FAIRCHILD WHEELER INTERDISTRICT MAGNET HIGH SCHOOL

BRIDGEPORT, CT

Authors	Poster Title
Justin Feliciano, Efrain Gonzalez, Khalela Stevens, Isbel Deleon, Dariel Ovalle, Jase Valle, James Mazzaresse, Jesus Martinex, Chris Figueroa	Apollo Cuts
Kelsie Santiago, Richard Lavelley, Tajanna Bullock, Khary Glover, Nesiah Rivera	Be Aware of your Surrounds. Be Aware of the Problem
Michael Bosik, Liam McNeese, Steven vanZyl, Wesley Cronk, Alex Dodita	Icebreakers
Carlette Grant & Helen Ta	Snowvel: The New and Inventive Shovel