



University of Bridgeport



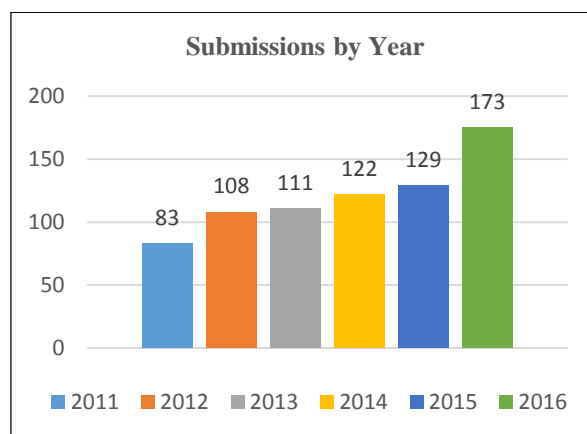
Faculty Research Day 2016 Outcome Report

Prepared by Natalie Schriefer,
Secretary for the School of Engineering

The University of Bridgeport's sixth annual Faculty Research Day saw a 27% increase from last year's entries, with an astounding 164 UB posters and approximately 360 attendees. Submissions were accepted in five categories: Undergraduate students, Graduate students, Doctoral students, Faculty Competitive, and Faculty Noncompetitive. There were also nine posters submitted by students at the Fairchild Wheeler Interdistrict Magnet High School.

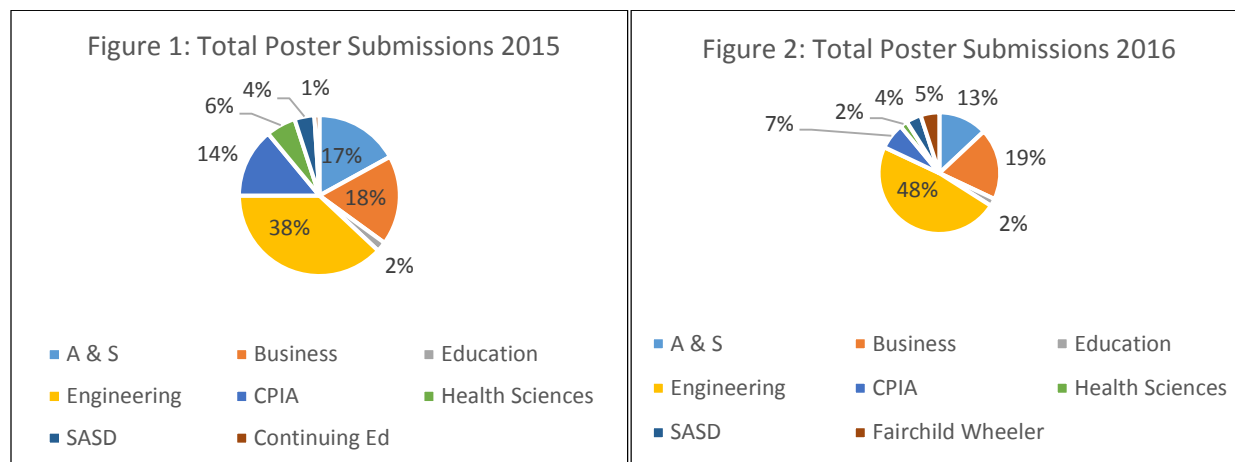
Since its reinstatement as an annual event in 2011, Faculty Research Day has become an important academic event on campus; its goal is to foster collaborations between departments, schools, and colleges as faculty and student research becomes increasingly interdisciplinary.

UB faculty and students submitted 164 of the total 173 posters. This is a 27% increase from 2015, in which there were 129 posters (and none from the magnet school). The chart below offers visual testimony to the event's increased popularity. Forty-two (42) posters were submitted by faculty members, with 16 of them entered into the competitive category, representing a two poster decrease from 2015. Thus continues the trend from 2014 to 2015, in which faculty posters decreased by three.



UB students submitted 122 posters across their three categories, with 19 doctoral, 80 graduate, and 23 undergraduate. The graduate student category experienced a huge increase from last year's 39 posters. Most of these came from the School of Engineering; 55 of the graduate student posters were submitted by engineering students.

Figures 1 and 2 on the next page show the breakdown of poster submissions by Schools and Colleges.

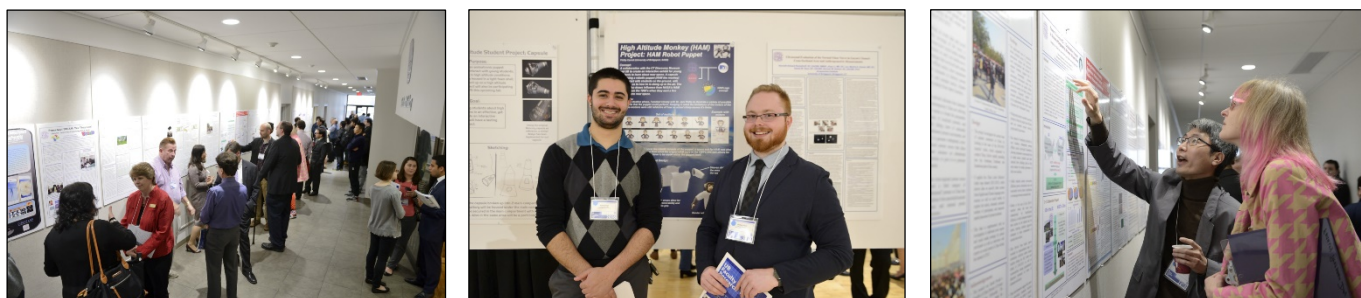


Though the Health Sciences division increased in 2015 with the addition of the doctoral category, that trend did not continue this year. Last year they submitted five student posters across three schools (College of Chiropractic, College of Naturopathic Medicine, and the Fones School of Dental Hygiene). In 2016, only four posters were submitted, with only one by a doctoral student from the College of Chiropractic. Noncompetitive faculty submitted two and only the College of the Chiropractic submitted a Faculty Competitive poster.

New this year was the opportunity for senior capstone students from Fairchild Wheeler Interdistrict Magnet High School to submit posters. A total of nine posters were submitted, representing a total of 40 students. As second semester seniors, this experience will help ease the transition between high school and college and will set them up to confidently pursue research opportunities in a college setting. This opportunity also solidifies positive relations between UB and Fairchild Wheeler.

Another change to FRD was the removal of the breakout sessions. Though these sessions accompanied lunch in previous years, organizers decided not to include them in 2016.

Events of the Day: April 1, 2016



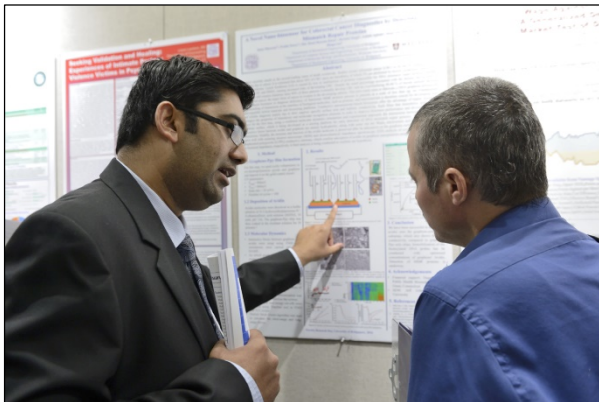
Left: 16 Faculty Competitive posters line the entrance to the Schelfhaudt Art Gallery. *Center:* Undergraduate students Joshua Hauge (L) and Phillip Carroll (R) pose for a photo beside Carroll's High Altitude Robot Monkey poster. *Right:* Dr. Jeongkyu Lee presents his Faculty Competitive poster to a judge.

Poster Session

Faculty Research Day began in the Schelfhaudt Art Gallery with 157 posters submitted by UB students and noncompetitive faculty, as well as nine posters entered by high school students. The 16 Faculty Competitive posters lined the entrance to the gallery. An estimated 360 people attended, including the presenters, to view various research on disciplines ranging from gender politics in South Sudan to a smart phone application intended to detect melanoma. Though students from the School of Engineering submitted a collective 78 posters, each student's research shed light on a different aspect of engineering; each project was different from the last.

Continuing the trend from 2015, this was the most highly attended FRD since its revival, with an estimated 360 attendees, compared to last year's 267. To involve as many of these spectators and presenters as possible, a social media campaign accompanied the event, utilizing Twitter hashtags (#UBFRD2016) as well as an FRD Facebook page with approximately 180 likes.

During this time, two teams of judges examined the posters. Six distinguished scholars and field experts judged the UB faculty posters; a team of more than 25 UB faculty volunteers judged the student posters.



Left: Isaac Macwan (Engineering) presents his research on a biosensor that scans for indicators of colorectal cancer. He later received one of four unranked faculty awards.

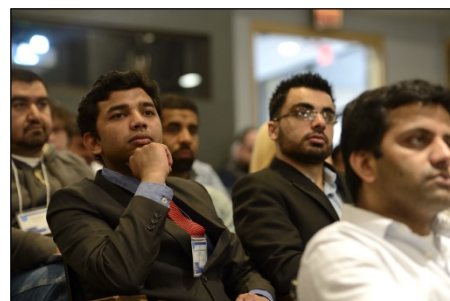
Below: Graduate student Janaina Bordignon explains gender politics in South Sudan.



Keynote Session

Corinne Lengsfeld, Ph.D., presented her keynote speech in the Littlefield Auditorium. Dr. Lengsfeld is the associate provost of research at the University of Denver. She spoke about how she assisted in the growth of UD's publications after inheriting a difficult slump from her predecessor. She united the deans and helped hire administrators to take the pressure off of the professors looking to apply for grants, and she also connected individuals from different departments when their passions coincided; these interdisciplinary projects boosted publications and the esteem of UD. She reminded her audience to lift the spirits of the entire campus, instead of focusing only on the accomplishments of professors with grants.

By combining humor with her advice, Dr. Lengsfeld left a deep impression on her listeners.



Left: Dr. Lengsfeld addresses her audience on the importance of interdisciplinary work. *Center:* Attendees packed into Littlefield Auditorium. *Right:* Students as well as faculty showed an interest in obtaining additional research grant opportunities.

Poster Talks

After lunch, attendees returned to the Littlefield Auditorium for six poster talks. New to this year's FRD was the decision to host all six poster talks in the same room, one after the other, to help spectators learn more about the research from other departments. Five of the talks were given on Faculty Competitive posters, though this presentation is not included in the final judging. One was given on a Faculty Noncompetitive poster from the Nursing program.



Left: Dr. Timothy Dorr (Ernest C. Trefz School of Business) discusses hedonic variables in real estate pricing. *Center:* School of Education's Dr. Nancy DeJarnette answers an attendee's questions. *Right:* Dr. Cheryl Green presents research intended to help medical students self-identify stress and thereby decrease medication errors.

Awards Ceremony

The day ended in the Schelfhaudt Gallery with the awards ceremony and a reception of cheese and wine. Dr. Tarek Sobh, Senior Vice President for the Division of Graduate Studies and Research and the Dean of Engineering 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.



Left: President Neil Salonen offered words of encouragement to everyone who participated in FRD 2016. *Right:* Students, faculty, and advisors packed into the Schelfhaudt Gallery to see the awards presented.

What's in store for FRD 2017?

In 2017, UB hopes to increase faculty and student submissions to include all thirteen Schools and Colleges as well as increased representation from Fairchild Wheeler Interdistrict Magnet High School.



Please email suggestions to: research@bridgeport.edu.

Awardees: Undergraduate Students



Left: Luis Rivera accepts his third place award from Dr. Sobh for his research on neurofibromatosis. *Center:* Loren Cagno, also a biology student, won second place for her analysis of fire's effect on soil. *Right:* First place winner Alyssa Rosso researched the ecology of *Corema conradii*, more commonly known as the Broom Crowberry. Last year, she earned an Honorable Mention.

Faculty Research Day 2016: Undergraduate Student Poster Winners				
	Name	Advisor	Poster Title	Department
1 st Place	Alyssa Rosso	Kathleen Engelmann	Ecology of the Broom Crowberry (<i>Corema conradii</i>) a Pine Barren Perennial	Health Sciences
2 nd Place	Loren Cagno	Kathleen Engelmann	The Influence of Fire Among the Habitats of Organisms Depending upon Water Content and pH Levels in Soil of Various Environments	Biology
3 rd Place	Luis Rivera	Devin Kelliher and David Terfera	Physical Manifestations with Neurofibromatosis	Biology
Honorable Mention	Arijeta Gjermica	Kathleen Engelmann	The Absence of Soil Dwelling Microflora will Decrease the Fitness of <i>Arabidopsis thaliana</i> in Presence of Opportunistic Fungus Such as <i>Penicillium</i> spp.	Biology

Awardees: Graduate Students



Left: Ryan Therrien, a Design Management student, accepts his third place award for the idea, MetroCrops. *Center:* Advisor Isaac Macwan accepts Kamila Aikebaier's second place award on her behalf. *Right:* Nishant Kansal poses with her first place award for her research analyzing residential participation in single-stream recycling.

Faculty Research Day 2016: Graduate Student Poster Winners				
	Name	Advisor	Poster Title	Department
1 st Place	Nishant Kansal	Alex White	Analyzing Household Participation in the Single-stream Recycling System	Design Management
2 nd Place	Kamila Aikebaier	Isaac Macwan	Directed Self-assembly of Magnetite through Electrospinning with Potential Applications in Nanopatterning	Biomedical Engineering
3 rd Place	Ryan Therrien	Alex White	MetroCrops	Design Management
Honorable Mention	Ernest Ang	Alex White	Design Thinking in Action, Bridgeport YMCA	Design Management
Honorable Mention	Rupesh Srinivasalu	Isaac Macwan	Gold Nanoparticles and SiRNA Complex for Targeted Drug Delivery	Biomedical Engineering
Honorable Mention	Sheila Berna	Isaac Macwan	Influence of Graphene on PCL Scaffolds for Tissue Engineering Applications	Biomedical Engineering

Awardees: Doctoral Students



Left: Marwah Almasri accepts her third place award for her research on logic control for autonomous robots in differing environments. *Center:* Educational Leadership student Anne-Fried Drath earned second place for her analysis of social motives and college adjustment. *Right:* Engineering student Zakareya Lasefr won first place for his work using EEG Signals to detect epilepsy seizures. *Note:* Honorable Mention awardee John (Lalit) Jagtiani is not pictured.

Faculty Research Day 2016: Doctoral Student Poster Winners				
	Name	Advisor	Poster Title	Department
1 st Place	Zakareya Lasefr	Khaled Elleithy	Epilepsy Seizure Detection using EEG Signals	Computer Science & Engineering
2 nd Place	Anne-Fried Drath	Liane Leedom	Desires to Achieve and Fit In: Social Motives Predict Adjustment to College	Educational Leadership
3 rd Place	Marwah Almasri	Khaled Elleithy	Fuzzy Logic Control for Autonomous Mobile Robots in Static and Dynamic Environments	Computer Science & Engineering
Honorable Mention	John (Lalit) Jagtiani	Neal Lewis	Enhancing Software Engineering Curricula by Incorporating Open, Data-driven Planning Methods	Technology Management

Awardees: Faculty Competitive



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

Left: Dr. Omar Abuzagheh accepts his Faculty Research Poster award for his work on an app intended to diagnose melanoma. *Center:* Dr. Liane Leedom earned her award for her research on psychotherapy's effects on intimate partner violence victims. *Right:* Dr. Isaac Macwan accepts his award for his work on a nano-biosensor intended to assist doctors in making a colorectal cancer diagnosis. *Note:* Dr. Nikki Wingate, the fourth faculty competitive poster awardee, is not pictured.

Faculty Research Day 2016: Faculty Competitive Posters		
Name	Poster Title	Department
Omar Abuzagheh, Ph.D.	A Portable Real-Time Noninvasive Skin Lesion Analysis System to Assist in the Melanoma Prevention and Early Detection	Computer Science & Engineering
Liane Leedom, M.D.	Seeking Validation and Healing: Experiences of Intimate Partner Violence Victims in Psychotherapy	Counseling
Isaac Macwan, Ph.D.	A Novel Nano-biosensor for Colorectal Cancer Diagnostics by Detecting DNA Mismatch Repair Proteins	Biomedical Engineering
Nikki Wingate, Ph.D.	The Influence of the Number of Presented Symptoms in Product-Claim Direct-to-Customer Advertising on Behavioral Intentions	Marketing

Faculty Research Day 2016 Poster List

Poster Number	First Author	Status	Poster Title
Faculty Competitive Posters			
1	Omar Abuzagheh <i>Engineering</i>	FC	A Portable Real-Time Noninvasive Skin Lesion Analysis System to Assist In The Melanoma Prevention and Early Detection
2	Nancy DeJarnette <i>Education</i>	FC	Preschool STEAM: Yes They Can!
3	Timothy Dorr <i>Business</i>	FC	Real Estate Home Pricing: The Role of Hedonic Model Variables and Community Amenities
4	Christopher Good <i>Chiropractic</i>	FC	Student Perceptions of Resistance Tube Training in Chiropractic Technique Labs
5	Joanne Guo <i>Business</i>	FC	Quantitative Easing and U.S. Financial Markets
6	Steve Hess <i>CPIA</i>	FC	The Diffusion of Contention in Contemporary China: An Investigation of the 2014-2015 Wave of Teacher Strikes
7	Jeongkyu Lee <i>Engineering</i>	FC	Toward Success of 2 + 2 Collaborative Program In School of Engineering Between UB and China
8	Liane Leedom <i>Arts & Sciences</i>	FC	Seeking Validation and Healing: Experiences of Intimate Partner Violence Victims in Psychotherapy
9	Isaac Macwan <i>Engineering</i>	FC	A Novel Nano-biosensor for Colorectal Cancer Diagnostics by Detecting DNA Mismatch Repair Proteins
10	Philip Maymin <i>Business</i>	FC	Wage Against the Machine: A Generalized Deep-Learning Market Test of Dataset Value
11	Ryan McCulloch <i>Arts & Sciences</i>	FC	Chermak-Delgado Simple Groups
12	Robert Todd <i>Business</i>	FC	"R22" - An Unbreakable, Un-hackable Friend-to-Friend Encryption System
13	Chunjuan (Nancy) Wei <i>CPIA</i>	FC	Making Waves: Recent Developments of the South China Sea Disputes
14	Nikki Wingate <i>Business</i>	FC	The Influence of the Number of Presented Symptoms in Product-Claim Direct-to-Consumer Advertising on Behavioral Intentions
15	Xingguo Xiong <i>Engineering</i>	FC	Biochip with Graphene-based Nanosensor for Non-invasive Glucose Sensing
16	Linfeng Zhang <i>Engineering</i>	FC	Multi-objective Optimization and Life-Cycle-Cost
Poster Number	First Author	Status	Poster Title
School of Arts & Sciences			

17	Loren Cagno	UG	The Influence of Fire Among the Habitats of Organisms Depending upon Water Content & pH Levels in Soil of Various Environments
18	Guana Darbouze	UG	Fascinating Social Displays and Social Structure of Mallard Ducks (<i>Anas platyrhynchos</i>)
20	James Durrell	UG	<i>Bacillus licheniformis</i> (ATCC 14580) Inhibitory Activity on <i>Mycelia</i> Growth against Fungi
21	Alexa Frederick	UG	Comparison of Sleep Deprivation Effects in Student Athletes and Non-Athletes (Preliminary Results)
22	Arijeta Gjemnica	UG	The Absence of Soil-dwelling Microflora will Decrease the Fitness of <i>Arabidopsis thaliana</i> in Presence of Opportunistic Fungus such as <i>Penicillium</i> spp.
23	Antionique Harris	UG	Investigating the Acclimatization of Light and Water Stress in Three Strains of <i>Arabidopsis thaliana</i>
24	Wenshu Hu	UG	Root Herbivory has More Influence on <i>Arabidopsis thaliana</i> Survival Rates than Leaf Herbivory
25	Kresti Lopresti	UG	Impact Of Zoo Residence On Gelada Social Life
26	Amber McPhaul	UG	<i>Laurus argentatus</i> & <i>Laurus delawarensis</i>
27	Alissa Montanaro	UG	Wolves of Today
28	Takasato Nakayama	UG	Cultivability and Survey of Mycoflora and Microflora from Vermicompost and Undisturbed Sample
29	Luis Rivera	UG	Physical Manifestations Associated With Neurofibromatosis (NF-1)
30	Alyssa Rosso	UG	Ecology of the Broom Crowberry (<i>Corema conradii</i>) a Pine Barren Perennial
31	Karlie Spader	UG	Simulation Overload: Reflections on the Experience of Being a Simulated Patient
32	Tiffany Zapata	UG	The Influence of Sucrose & It's Effects on the Growth Rate of Mold, & the <i>Arabidopsis thaliana</i> Plant
33	Margaret Burton	G	We're Safe Here Now: Counseling Victims of Violence after Terror
34	Christopher Carlino	G	Diagnostic Training in CMHC Programs: Wrestling with the Identity Dialectic
35	Shirley Gedney-Rubel	G	Creating Equity for Clients Seeking Safety: Substance Abuse in Domestic Violence Programs
36	George Rehkamp	G	Learning Motivational Interviewing: A Counselor's Journey
37	Lindsey Toper	G	Educational Environments at Housatonic Community College
38	David W. Kraft	FNC	A Mathematical Framework for the Energy Spectrum of Primary Cosmic Rays
Poster Number	First Author	Status	Poster Title
Ernest C. Trefz School of Business			

39	Christopher McFarlane	UG	Mortgage Backed Securities
40	Ammar Alammar	G	The Factors Impacting Employee Job Satisfaction
41	Ammar Alammar	G	Proper Accounting is Vital for Sustainable Business Growth
42	Mary Androus	G	Is Negative Interest Rate Effective?
43	Rebecca Ciullo	G	Child Labor Cultural Norms and Practices:Brazil
44	Rebecca Ciullo	G	Reality Check: Today's Child Labor Issues in U.S. Tobacco Farming
45	Samagya Gautam	G	Does Referral Make A Difference?
46	Anthony Mirafiore	G	Copper Spot Prices and Stock Market Volatility
47	Biljana Savic	G	Quantitative Metrics for Profitability when Implementing Conscious Capitalism Among Accounting Professionals
48	Viktoria Tkachenko	G	Benefit Corporations and Certified B Corporations: Which is More Beneficial for a Socially Responsible Entrepreneur?
49	Steiner Toussaint-Joseph	G	An Analysis of the Banking Industry using Porter's Five Forces Model
50	Tim Dorr	FNC	International Chinese Students: Enhancing the American Learning Experience
51	Lloyd Gibson	FNC	Leadership in a Turnaround Situation and a Multicultural Environment
52	Frederick Harmon	FNC	The New FASB & IASB Revenue Recognition Standards; Implementation and Effects
53	Gew-rae Kim	FNC	Negative Correlation of Beta and PE Forecasting
54	Michael Lohle	FNC	A Grounded Theory of Persistence in a Limited -Residency Doctoral Program
55	Michael Lohle	FNC	Student-Identified Requirements for Persistence in a Limited Residency Ph.D. Program
56	Samuel Lota Jr.	FNC	The Top 9 Ways to Increase Customer Loyalty
57	Philip Maymin	FNC	The Automated General Manager
58	Philip Maymin	FNC	Risk Parity Optimality
59	Philip Maymin	FNC	Behavioral Despair in the Talmud
60	Arthur McAdams	FNC	Dynamic Knowledge Management
61	Carrie Picardi	FNC	From the Inspiration to the Dedication: The Journey to Academic Book Authorship
62	Tim Raynor	FNC	Business Faculty Perceptions and Enforcement of Academic Integrity Policies Business Faculty Perceptions and Enforcement of Academic Integrity Policies
63	Nikki Wingate	FNC	Enhancing the Influence of Distal Primes on Creativity: The Role of Contextual and Personal Variables - Study 1
Poster Number	First Author	Status	Poster Title
64	Nikki Wingate	FNC	The Customer Relationship Management Paradox: Five Steps to Create a Fairer Organization

65	Congsheng Wu	FNC	Can Chinese Yuan Become A Major Reserve Currency?
66	Congsheng Wu	FNC	Tracking Errors and Long-Run Performance of Leveraged ETFs
College of Public and International Affairs			
67	Khrystian Pereira	UG	Gender Inequality in Algeria: How Women are Falling Behind
68	Ruta Smith	UG	ISIS: The Past, Present, and Future of the Islamic State
69	Sondes Ben Chagra	G	The Jasmine Revolution: Tunisian Media Freedom Road in Five Years
70	Janaina Bordignon	G	Breaking the Stereotype, but not the Mold: A Gender Analysis of South Sudan's Peace Agreements
71	Rebecca Bruckenstein	G	Education through Expression: Supporting Youth Performance as a Tool for Coexistence Building in East Jerusalem
72	Elroy Douglas	G	The Epidemic of Corruption Has Been Identified in South Africa, How Do We Solve It?
73	Afi Esinam Ladzekpo	G	Corruption as a Tool for Political Dominance in Zimbabwe
74	Martina Santia	G	Small Island Developing States and the Threat of Anthropogenic Climate Change
75	Mohammed Al-Azdee	FNC	Messages of Foreign Policies and Coverage of Election in Unstable Democracy
76	Thomas Ward	FNC	A Seat at the UN Security Council for India?
School of Education			
77	Anne-Fried Drath	D	Desires to Achieve and Fit In: Social Motives Predict Adjustment to College
78	Thomas Christ	FNC	Critical Realism and Causal Research
79	Nelson Ngoh	FNC	STEM Pedagogy: The Concept of Science, Technology, Engineering and Mathematics Applied in Teaching Human Biology
School of Engineering			
80	Kamila Aikebaier	G	Directed Self-Assembly of Magnetite through Electrospinning with Potential Applications in Nanopatterning
81	Saqer Al Ali	G	3D Printed V8 Engine Model
82	Navya Bharathi Alla	G	Smart Rating for Electronic Gadgets
83	Taleb Al-theanat	G	The Effects of Intermittent Solar Radiation in Off-grid Solar Power System, A Case Study of Two Cities: Sacramento, CA and Miami, FL 'Worst Month' Method
Poster Number	First Author	Status	Poster Title
84	Vinithra Babu	G	A Hierarchical Framework of Cloud Computing using Heart Beat as Biometric

85	Sheila Berna	G	Influence of Graphene on PCL Scaffolds for Tissue Engineering Applications
86	Eknath Eswar Reddy Bhavanam	G	Fake Product Review Monitoring and Removal Using Opinion Mining
87	Ravi Theja Bodempudi	G	Yahoo! Movies User Ratings and Descriptive Content Information, v.1.0
88	Swetha Prabha Chaganti	G	Voldemort NoSQL Database
89	Yeqing Chen	G	Predicting Stock Trading Volume through Social Media Data
90	Bala Siddartha Varma Chinda	G	Creating a Product Catalog with djondb
91	Kaustubh Deokule	G	Network Traffic Measurement And Analysis
92	HarinderPal Dhillon	G	Hospitality Company Using Couchbase Nosql Database
93	Gopala Krishna Duggina	G	Predicting a T20 Cricket Match Result While the Match is in Progress
94	Steve Richard Ebenezer Amalorpavaraj	G	Zone Routing Protocol (ZRP) - A Novel Routing Protocol for Vehicular Adhoc Networks
95	Alan Eskandar	G	Numerical Study on the Thermal Performance of Embedded Heat Pipes for CPU Cooling
96	Steven Falzerano	G	Multidimensional Bio-printing Using Hydrogel Suspension
97	Kunal Ghule	G	Evaluating Performance of Fault Current Limiters in Electric Substations Using Monte Carlo Method
98	Palash Gore	G	Predicting U.S. Presidential Election through Mining Social Media Data (Twitter)
100	Pooja Gupta	G	A review of VelocityDB- NoSQL Graph Database
101	Maitri Kamlesh Jariwala	G	Analysis of the Structural Evolution of Graphene-CNT-Polypyrrole Nanocomposite
102	Chiranjeevi Jarugula	G	Tourism Forecasting
103	Rama Krishna Kallam	G	Predicting the Religion of a Country from the Colors in its Flag Using Data Mining Techniques
104	Venkatadri A. K. Sampathi	G	Computer Aided Design and Structural Analysis on a RIM
106	Sai Praveen Kolli	G	Characterization and the State Variable Estimation of a Carbon Foam Lead Acid Rechargeable Battery
Poster Number	First Author	Status	Poster Title
107	Weifeng Li	G	2016 President Election Prediction Using Twitter Data Set
108	Tingwei Lin	G	Data Mining Term Project Franchise Failure by Brand before 2011

109	Manoj Kumar Manimaran	G	Graphene Semiconductor Field Effect Transistor
110	Khwaja Moinuddin Sanjari Muhammad	G	Internet Of Things(IOT) Approach in sSolving Medication Errors
111	Praneeth Narasimman	G	Design and Analysis Of Internal Hinge Checkvalve
112	Siddhardha Narayanam	G	The ORACLE NoSQL Database
113	Ananthapriya Nettem	G	To Design a Fixture for Making an Automobile Component
114	Azeez Ojo	G	Electrically Controlled Drug Release using Graphene Based Hydrogel
115	Umang Patel	G	NYC Taxi Trip and Fare Data Analytics using BigData
116	Umang Patel	G	Twitter Data Predicting Stock Price Using Data Mining Techniques
117	Sanket Patel	G	Marklogic Database - Only Enterprise NoSQL DB
118	Ashok Naren Puchakayala	G	Establishing Graph Relationships Using Neo4j NoSQL Database for Star Wars Movie Dataset
119	Ravi Teja Ravinoothala	G	Web Search and Browser Log Analysis Using BangDB for Decision Support
120	Swapnil Krishnachandra Savale	G	Use of Data Mining Techniques for the Analysis of Consumer's Electricity Consumption Over a Year in Particular Region
122	Ajinkyua Shah	G	Automated and High Speed Mechanical System for Assembling of Self Centering Release Bearing in Automobile Industries
123	Ranvir Shinde	G	Enhancing the Quality of Service by Employing Swarm Intelligence in Multi Hop Heterogeneous Networks
124	Shrishti Singh	G	Chirality Based Separation of Carbon Nanotubes by Analyzing The Specific Interaction with the AMB-1 Flagellin Derived Tri-peptide
125	Rupesh Srinivasalu	G	Gold Nanoparticles and SiRNA Complex for Targeted Drug Delivery
126	Bilal Quadri Syed	G	Automated Capping of Liquid Storage Bottles in Food Industry
127	Ketki Taware	G	Automatic Guided Robot
128	Santosh Thapa	G	Data Mining Techniques on Traffic Violations
129	Abhinay Todmal	G	Propose & Design an Automated Mechanical System for Capping and Water Level Measurement of Water Bottle
Poster Number	First Author	Status	Poster Title
130	Adhish Umranikar	G	Automated and High Speed Mechanical System for Loading and Feeding Clutch Release Bearing and Hub for Assembly and Rotating that Assembly by 90° in Automobile Industries

131	Lavanya Vuligonda	G	Gait Balance Detection and Analysis Using Smart Phone Application
132	Shuai Wang	G	Crime Analysis of Chicago
133	Marvin Xavierselvan	G	FPGA Based Magnetic Field Control for Guiding Magnetotactic Bacteria
134	Italo Silva	UG	Image Processing Tasks Applied to Robot Vision System and Path Discovery
135	Wayne Teto	UG	Open Source Hardware and Software Design for Quadcopter
136	Smit Doshi	G	Quadrotor Tour Guide
137	Kishore Thota	G	GPS Based Attitude Determination and Verification Using a Serial Robotic Arm
138	Trinadh Venna	G	Visual Servoing using an Autonomous Quadcopter
139	Rishi Warokar	G	Design and Development of Near Space Robotic Monkey
140	Reem Alattas	D	Hybrid Evolutionary Framework for Designing and Implementing Autonomous Modular Robotics
141	Peter Zeno	D	Neurobiological Based Navigation Map Created During the SLAM Process of a Mobile Robot
142	Razan Abdulhammed	D	Network Intrusion Detection Using Hardware Techniques: A Review
143	Abdulbast Abushgra	D	Simultaneous Initiating EPR and Quantum Channel by AK15 Protocol
144	Ali Al Essa	D	Flu Trend Prediction Using Social Media Network Data
145	Abrar Alajlan	D	Energy-Efficient Dynamic Motion Control for Wheeled Mobile Robots Using Low Cost Resources
146	Naser Alajmi	D	A New Approach for Detecting and Monitoring of Selective Forwarding Attack in Wireless Sensor Networks
147	Hussain Alhassan	D	Brain Performance between Process and Production
148	Marwah Almasri	D	Fuzzy Logic Control for Autonomous Mobile Robots in Static and Dynamic Environments
149	Bandar Alotaibi	D	A Majority Voting Technique for Wireless Intrusion Detection Systems
150	Muneer Alshowkan	D	Quantum Mutual Authentication Scheme Based on Bell State Measurement
151	Gazi Duman	D	A Two-Stage Multi-Criteria Decision Making Approach for Green Supplier Selection
152	Tarik Eltaeib	D	Converged Network Architecture to Overcome Network Virtualized Decoupling
Poster Number	First Author	Status	Poster Title
153	Samir Hamada	D	Automated Adaptive Mobile Learning System using the Semantic WEB

154	John (Lalit) Jagtiani	D	Enhancing Software Engineering Curricula by Incorporating Open, Data-Driven Planning Methods
155	Zakareya Lasefr	D	Epilepsy Seizure Detection using EEG Signals
156	Ozden Tozanli	D	Design and Evaluation of a Logistics Network for Tire Recovery in Turkey
157	Miad Faezipour	FNC	Image-Based Risk Assessment Analysis for Glaucoma Determination
158	Jeremy (Zheng) Li	FNC	Computer Aided Analysis and Prototype Testing of an Improved Biogas Reactor for Biomass System
Health Sciences			
159	Kenneth May <i>Chiropractic</i>	D	Chiropractic Clinical Reasoning in a Patient with Cervical Radiculopathy
160	Cheryl Ann Green <i>Nursing</i>	FNC	Decreasing the Potential of Nursing Students' Medication Errors By Increasing Self-Awareness of Stress, Anxiety, and Distractions
161	Jinpu Li <i>Acupuncture</i>	FNC	Ultrasound Evaluation of the Normal Ulnar Nerve in Guyon's Tunnel: Cross-sectional Area and Anthropometric Measurements
Shintaro Akatsu School of Design			
162	Phillip Carroll	UG	High Altitude Monkey (HAM) Project: HAM Robot Puppet
163	Joshua Hauge	UG	High Altitude Student Project; Capsule
164	Jihyun Lee	UG	Human Factor and Hospital Design
165	Ernest Ang	G	Design Thinking in Action, Bridgeport YMCA
166	Nishant Kansal	G	Analyzing Household Participation In The Single-Stream Recycling System
167	Nadia Mandourah	G	Saudi Interior Design Circle
168	Ryan Therrien	G	MetroCrops

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
Scotty, Candice, Bryce, Cheyenne, Mia	Alzheimer's of America
Leon Glover, Emmanuel Amofa, Jessica Conde, Zurah Rhodes, Conner Broderick	How Hip Hop is Affecting the Youth in America
Jack Nolan, Alwyn Velazquez, Will Gombos, Kevin O'Malley	JackScript
Karla Bermudez, Shayna Rainford, Kymani Patterson	K.S.K Company
Kayla Pettway, RaDaejah Morgan, Shiloh Coram, Andrew King, Juwuan Johnson, Q Jackson, Nasir Blow, Cierra Thompson	Reality Entertainment Eye's – Community Factors that Affect Student's Ability to Learn
Antonio Andino, Anazlah Sanjurjo	Shoebox
Cody T. Scanlan, Jahzaari Mullings, Quintin Rollins, Victor Bulerin	Statfinder
Jose Tabora, Devin Barada	Trashtracker
Emmanuel R., Alexis G., Kenia A., Alexa M. Malik R., Kyle L., Calder W.	Web Design Improvement