

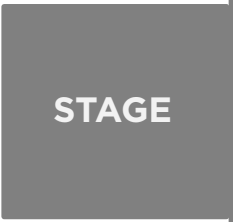
ResearchExpo2019

#NYUTandonMade



PHOTO BOOTH

T-SHIRTS



INFO

POPCORN

FOOD

MakerSpace

1. NYU Tandon MakerSpace

Office of Innovation

2. Power Line Detection for Drones

Biomedical Engineering

3. Emergence of Leaders in Human Groups

Chemical and Biomolecular Engineering

4. Brooklyn BioScience
5. GeneTrain for accelerated wound healing
6. A Hydrogel-Photocatalyst Composite Flow Reactor for Removal of Trace Organic Contaminants from Wastewater
7. Mid-Infrared Colloidal Quantum Dots-based Photodectors
8. Mechanism Analysis of a Palladium Catalyzed Synthetic Chemistry in Micro-fluidic System
9. LabLessons

Technology Culture and Society

10. Menstruation Communication: Biosocial Implications of Scientific Research on Menstruation
11. Measuring Mental Health: Wearable Technologies and Biological Measures of Anxiety

Electrical and Computer Engineering

12. Post-Quantum Cryptography Hardware Implementation
13. Kinect-Based In-Home Exercise System for Lymphedema intervention
14. Wireless charging and communication for Electric Vehicles
15. What Bio-IP am I cooking?
16. Atmospheric Air Plasma Device for Surface Treatments
17. Undergraduate Capstone Projects

Computer Science and Engineering

18. NASA Robotics Mining Competition
19. Interactive Systems for Automatic Machine Learning Model Building and Curation
20. ARIES: Art Image Exploration Space
21. Data, Responsibly

CUSP

22. Digital Traces of the Predatory Landlord
23. Map of gentrification and displacement in the Greater New York Region
24. Sonic NYC

K-12 STEM

25. Center for K12 STEM Education

Civil and Urban Engineering

26. Robotic 3D Printing in Concrete
27. Connected and Autonomous Vehicles in NYC
28. Data-driven transportation analytics
29. Mapping the Bright Side of the City
30. Neuroscience for Architecture: Quantification of Human Responsiveness in Static and Responsive Built Environments
31. Synthesis of model-based and data-driven control algorithms for smart and connected roads

CUE/MAE

32. Soft Robot Proprioception via Deep Vision-based Sensing

Mechanical and Aerospace Engineering

33. Fiber-optic sensor for wind turbine blade
34. Legged Robots: Balancing and Gait
35. Assistive Vibrotactile Technology for Navigation and Obstacle Avoidance for the Visually Impaired
36. Augmented reality as a medium for human-robot collaborative tasks
37. Time-series analysis of audio data for detection of speech pathology
38. Immersive Virtual Reality Framework to Study User Engagement in Interactive Games

ResearchExpo2019

1:00 pm • Welcome Remarks

1:30 pm • Vertically Integrated Projects Presentations

3:30 pm • Best Exhibits announced

4:00 pm • Research Expo concludes

VIP Research Expo 2019 Team Members

3D Printed Biomedical Devices

Faculty Advisor: Victoria Bill

Team Members:

Butt, Nayab
Casazza, Chrissy
Crane, Maeve Colette
Delaney, Callie
Floyd, Roxie
Gale, Vy-Linh Nguyen
Garcia, Andy
Kurti, Odeta
Larosiliere, Owen Yvons
Malkani, Alisha
Mesdour, Sarah
Moosa, Tahany
Muok, Laurie
Perez, Kevin
Ramos, Sofia Alejandra
Zhao, Sicheng
Zhu, Zheyi

Concrete Canoe

Faculty Advisor: Weihua Jin

Team Members:

Benson, Ashley
Kim, Jonathan
Lam, Wendy
Lin, Lara
Park, Si Yun
Ranasinghe, Dinuka

Mixed Reality Engineering Lab

Faculty Advisor: Mike Knox

Team Members:

Chen, Iris
Das, Joya
Huang, Jian Nan
Hwang, Brian
Knox, John
Rodriguez, Claudia Cristina
Sassoon, Jonny
Shafikah, Tengku Hana
Shu, Richard
Yeung, Richard
Zheng, Jack

NYU iGEM

Faculty Advisor: Jin Ryouon Kim

Team Members:

Basu, Malini
Hasan, Ali
Huang, Kelly
Ionov, Steven
Sung, David

NYU Self-Drive

Faculty Advisor: Chen Feng

Team Members:

Abedin, Md Khairul
Aydin, Defne Gunes
Bhardwaj, Shivam

Chimnani, Naman
Du, Songyu
Ghani, Taimur
Gopinath, Rohan
Harry, Kyra-Lee
Holz, Eduard Alexander
Hu, Andrew
Lee, Patrick
Li, Xinru
Soin, Simran Kaur
Valore, Alexander
Xu, Cathy
Yang, Giana
Yousuf, Farhan M
Zahaleanu, Daria
Zheng, Karen Chou
Zhu, Juntao

NYU Tandon Motorsports

Faculty Advisor: Joseph Borowiec

Team Members:

Cheung, Marcus
Garcia, Christopher
Kromer, Cole Dalton
Lee, Jei
Li, Ellin
Li, Tammy
Liu, Thomas
Mei, Jamie
Mendoza, Joel David
Ormut Durbin, Yasha Nath
White, Maximilian Christopher
Yip, Darren
Zhang, Alice
Zhou, Amanda

Rogue Aerospace

Faculty Advisor: Nicholas DiZinno

Team Members:

Agarwal, Puru
Arbuzov, Martin
Bernal Jr, Javier Salvador
Chow, Steven
Chowdhury, Raisa
Donnelly, Caoilin
Hossain, Hafeza
Hu, Jefferson
Kandi, Rohan
Kupupika, Jeremy
LeMay, Brandon
Marbaix, James
Meegalla, Nimesha
Molla, Nahom
Ng Yu, Steven
Paterson, Riley John
Roy, Krishna
Russo, Michael
Sullivan, Katie
Thompson, Sally
Ulloa, Ruben E
Wiener, Jon
Zhu, Phoebe

Smart Cities Technology

Faculty Advisor: Jack Bringardner

Team Members:

Cunha, Bruno Chede
Gonzalez, Santy
Hou, Ben
Hou, David
Lant, Caspar
Leon, Mateo
Mashrur, Nakib
Mittal, Ira
Ojo, Joshua Oluwafemi
Pustorino, Greg
Rahimi, Halah
Scher, Nina
Shahbaz, Farah
Soong, Jason
Xie, Weiyao
Yang, Lixuan
Yerovi, Angelo Giovanni
Zakari, Hussain Muallim

U-START

Faculty Advisor: Fred Strauss

Team Members:

Brown, Simone Marie
Cheng, Singwa
David, Tomas
Elhussiny, Ahmed
Fung, Kristel
Hasan, Monjur
Hassoun, Tarek
Lopez, Carlos
Newby, Richelle
Rozbiani, Ryan
Siraj, Salman
Truong, Thurman
Wan, Hoyin
Wang, Shuting
Wu, Bohan
Xu, Junhan
Xu, Zeyang
Zhang, Sam
Zhang, Vienna

Vertical Farming

Faculty Advisor: Alexandra Seidenstein

Team Members:

Abdo, Mahmoud Ahmad
Cheevers, Molly Beth
Dang, Vi
Gowayed, Omar
Haxhia, Maggie
Lamboglia, Leonardo
Mahjabin, Fariha
Moratos, Angel
Ng, Harvey