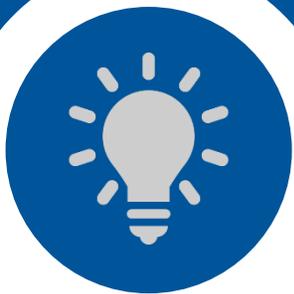


# Technology Transfer & Commercialization

We help university researchers protect their intellectual property, evaluate its commercial potential, and license these novel technologies to industry to produce products

## Invention Disclosures

FY20 : 11  
All : 112



## Inventors Disclosing

FY20 : 20  
All : 150



## Departments Inventing

FY20 : 7  
All : 26



## Patent Applications

FY20 : 5  
All : 79



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## FY 2020 Patent Portfolio:

### ISSUED PATENTS

- U.S. 10,275,219 “Bit-serial multiplier for FPGA applications” Akhan Almagambetov, Holly R. Ross.
- U.S. 10,151,772 “Hot wire anemometer” Michael S. Potash, Alfred D. Helfrick.
- U.S. 10,071,855 “Floating active baffles, system and method of slosh damping” Daewon Kim, Rudy L. Baum, Vijay Santhanam, Balaji Sivasubramanian, Sathya Gangadharan.
- U.S. 10,071,825 “Hybrid magneto-active propellant management device for active slosh damping in spacecraft” Balaji Sivasubramanian, Leader Paul, Sathya Gangadharan.
- U.S. 9,845,600 “Highly vented truss wall honeycomb structures and methods of fabrication” David J. Sypeck.
- U.S. 9,625,913 “System and method for robust nonlinear regulation control of unmanned aerial vehicles using synthetic jet actuators” Vladimir V. Golubev, William MacKunis.
- U.S. 9,586,632 “Optimizing jets for wake control of ground vehicles” Domenic Barsotti, Sandra Boetcher.
- U.S. 9,534,608 “Multi-stage axial compressor with counter-rotation” Vinod Gehlot, Magdy S. Attia, Divyam Garg.
- U.S. 9,369,160 “Communication system using signal modulation” William C. Barott.
- U.S. 9,353,754 “Multi-stage axial compressor with counter-rotation using an accessory drive” Vinod Gehlot, Magdy S. Attia.
- U.S. 9,254,922 “Hybrid assembly for an aircraft” Richard Anderson, Lori Costello, Charles Eastlake, Glenn P. Greiner.
- U.S. 9,102,326 “Hybrid clutch assembly for an aircraft” Richard Anderson, Charles N. Eastlake, Matt Gonitzke, Glen P. Greiner.
- U.S. 8,998,126 “Lift generating device” Juan A. Alvarado Valverde.
- U.S. 8,095,314 “Generation of four dimensional grid of probabilistic hazards for use by decision support tools” Ian A. Wilson
- U.S. 7,184,883 “GPS-based steering needle instrument” Carl Edward Wischmeyer.

### PENDING PATENT APPLICATIONS\*

- U.S. 2020/0052800 “Communication in Fluid Medium Using Motor Modulation” Brian K. Butka, Jefferson Romney.
- U.S. 2019/0166383 “Reduced multiplicative complexity discrete cosine transform (DCT) circuitry” Sirani Kanchana Mututhantrige Perera.
- U.S. 2018/0277740 “Helical Dielectric elastomer actuator” Daewon Kim.
- U.S. 2018/0327081 “Systems and methods for noise mitigation for hybrid and electric aircraft” Lenny Gartenberg, Richard P. Anderson, Borja Martos.

\*Patent applications that have not yet published for public inspection are not listed here