

Technology Development Fund Award History

Name	Department	Project Title	Funded
2008			
Atashbar, Massood & Bejcek, Bruce	Electrical and Computer Engineering & Biological Sciences	Development of Hybrid Guided Shear Horizontal S.A.W. Sensor Instrumentation System for the Detection of Serum Protein Biomarkers	\$19,000
Meade, David	Manufacturing Engineering	Multi-Period Financial Simulator of a Manufacturing Operation	\$16,500
Shen, Wuwei	Computer Science	An Eclipse-based Tool Supporting Class Model Development	\$12,000
2009			
Al-Fuqaha, Ala	Computer Science	Rule Based Network Simulation and Service Planning	\$11,500
Milewski, Adam	Geosciences	Hydroinformatics: Bridging the Gap Between Hydrology and Technology	\$14,500
Spates, Richard	Psychology	Testing the Efficacy of a Computer-Based Treatment for Depression and PTSD	\$19,000
2010			
Bensley, Bob	Human Performance & Health Education	iManageHealth	\$15,500
VanDeusen, Karen	School of Social Work	Online Suicide Prevention Course	\$18,000
2011			
Atashbar, Massood	Electrical and Computer Engineering	Novel microfluidic flow cell for integrated sensor	\$20,000
Rabiej, Roman	Mechanical and Aerospace Engineering	Eve Coffee Table	\$10,000
2012			
Linn, Cindy	Biological Sciences	Glaucoma Prevention	\$17,700
Patten, John	Manufacturing Engineering	Micro Laser Assisted Machining Technologies	\$20,000
Yang, James	Computer Science	Efficiently Detecting Concurrency Errors for Software Development	\$12,000
2013			
Liu, Tianshu	Mechanical and Aerospace Engineering	Design and Testing of a Scaled Prototype Wind Oscillator for Power Generation	\$10,000
Mezei, Gellert	Chemistry	Selective, High Efficiency Anion Extracting Agents for Solvent Extraction	\$19,576
Ramrattan, Sam	Industrial and Manufacturing Engineering	3D Rapid Prototyping System Utilizing Focused Light Energy	\$20,000
2014			
Brown, Lori	Aviation Flight Science	Next Gen Information Systems for Pilots: Low Cost Mobile Training Solutions	\$18,531
Kujawski, Daniel	Mechanical and Aerospace Engineering	An Interactive Online Fatigue Expert Design Tool	\$12,401.28
Puckett, Scott & Michael Sisk	Enrollment Management	Mobile Counselor	\$10,000
Young, Brian	Chemical and Paper Engineering	Composite Matrix Material Development for Low Cost, Disposable, Reagent Free, Resistance-Based Multiplex, Point-of-Use immunodiagnostic Biosensor Platform Technology	\$19,000
2015			
Atashbar, Massood	Electrial and Computer Engineering	Development of a Smartphone Based Fully Printed and Flexible/Conformable Impact Sensing System	\$20,000
Essani, Karim	Biological Sciences	Use of Tanapoxvirus Recombinant Variants for the Treatment of Breast Cancer	\$20,000

Fleming, Paul	Chemical and Paper Engineering	Preparation of Conductive, Doped Nano-Zinc Oxide Ink as a Replacement for Indium Tin Oxide (ITO)	\$20,000
2016			
Chapleau, Ann	Occupational Therapy	Goal Attainment Scaling: A Mobile App	\$10,000
Eversole, Rob	Biological Sciences	The WiggleTron for Rapid Measurement of Bloodborne Microfilaria Populations in Standard Blood Collection Microcapillary Tubes	\$10,000
Gustafson, Peter	Mechanical and Aerospace Engineering	The NeoVent: Development of Low Cost, Alternative Respiratory Care Devices	\$20,000
Patten, John	Industrial and Manufacturing Engineering	Laser Augmented Diamond Drilling (LADD)	\$20,000
2017			
Deochand, Neil	Psychology	An Interactive Performance Feedback System for Exercise Equipment	\$15,556
Eversole, Rob	Biological Sciences	WiggleTron Development for Rapid Determination of Bloodborne Microfilaria Populations in Clinical Blood Collection Tubes	\$10,000
Ikonomov, Pavel	Engineering Design, Manufacturing and Management Systems	3D Metal Printing Device and Process	\$20,000
Zhang, Jiansong	Civil and Construction Engineering	Automated Quantity Takeoff from Architecture, Engineering, and Construction Object Leveraging Fundamental Cartesian Points Geometric Representation	\$14,000
2018			
Chapleau, Ann	Occupational Therapy	The Goal Attainment Scaling App: Transitioning from Prototype to Product	\$20,000
Kujawski, Daniel	Mechanical and Aerospace Engineering	Hardness Based Fatigue Property Prediction Software	\$19,946
2019			
Atashbar, Massood	Electrical and Computer Engineering	Development and optimization of printed and flexible dry ECG electrodes	\$20,000
Ghantasala, Muralidhar	Mechanical and Aerospace Engineering	Virtual Torque Sensor for transportation vehicles	\$19,980
Ross, Matthew	Finance and Commercial Law	Cash 'n' Careers User Interface Development	\$20,000