

**RESEARCH AND DEVELOPMENT DISCLOSURE REPORT**  
**May 19, 2018 through August 17, 2018**

Reason for Conflict	External Entity	Owner	Principal Investigator	Co - P.I.'s	College	Period of Performance	Award Amount	Project Description
Faculty-Employee Owned Business	Li Industries Inc.	Zheng Li			Mechanical Engr.	May 1, 2018 thru	Master Agreement up to \$200,000	Li Industries seeks to develop a research partnership with Virginia Tech. The company continues to submit proposals and if awarded may subcontract a portion of the work to Virginia Tech. This work involves lithium-ion battery recycling processes. Management Plans will be developed for each project to be executed.
		Michael Ellis			Mechanical Engr.	June 30, 2019		
Faculty-Employee Owned Business	FluxTeq LLC	Thomas Diller			Mechanical Engr.	TBD	\$20,000	FluxTeq LLC has engaged with Dr. John Provo on the Catalyze VT project. The project is funded by US Economic Development Administration to assist small businesses. This project is to create a proof of concept to transform the traditional approach of teaching heat transfer courses with lab components to an integrated individual educational workshop approach.
			John Provo			Catalyze VT Program		
Faculty-Employee Owned Business	Lisa Sturtevant and Associates LLC	Lisa Sturtevant			Housing Research Center- (Adjunct Faculty)	TBD	Master Agreement up to \$50,000	Lisa Sturtevant and Associates LLC is seeking to engage in research with Virginia Tech as both sponsor and possible subcontractor in the future. Current project involves data analysis for a comprehensive study of affordable and workforce housing needs in James City County.
			Mel Jones O'Brien			Housing Research Center		
Faculty-Employee Owned Business	RedShift Education Inc.	Dillon Cutaiar			VT Student Employee	June 1, 2018 thru	\$13,000	Dillon Cutaiar, a VT Student employee, serves as Chief Technology Officer of a startup company, RedShift Education Inc. The startup seeks to work with the Catalyze VT grant to help the small business with software development and other business commercialization processes.
			John Provo			Catalyze VT Program		
Faculty-Employee Owned Business	BEM Controls LLC	Saifur Rahman			Advanced Research Institute-Arlington	July 1, 2018 thru	Master Agreement up to \$200,000	Dr. Rahman holds equity interest in BEM Controls, LLC, a start-up company. The company is applying for federal funding and seeks to subcontract to VT. BEM received an award for a DOE STTR grant. A management plan to provide oversight and mitigation is under development. The work involves blockchain-enabled peer-to-peer transactions for kilowatts and negawatts.
			Manisa Pipattanasomporn			Advanced Research Institute-Arlington		

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Faculty-Employee Owned Business	CytoRecovery, Inc.	Rafael Davalos			BEAM	June 15, 2018 thru 31-Dec-19	Master Agreement up to \$200,000	CytoRecovery was recently formed from an existing company named, PhenoCHIP, LLC. PhenoCHIP had licensed IP from Davalos and the newly created company, CytoRecovery plans to exclusively license developing technology of Dr. Davalos. The research will focus on development and advancement of multistage, contactless dielectrophoresis microfluidic chip technology.
Faculty-Employee Owned Business	HEAR, LLC	John Casali  Kichol Lee			Industrial and Systems Engineering  Industrial and Systems Engineering	June 1, 2018 thru June 30, 2019	Master Agreement up to \$235,000	HEAR, LLC. is small business that has performed research with Virginia Tech in the past and seeks to continue doing research with VT in the future. The company has received a DoD SBIR award and plans to subcontract to VT. Individual management plans will be developed for any projects undertaken. This current work involves auditory systems.
Faculty-Employee Owned Business	FirstString Research, Inc.	Robert Gourdie  Jane Jourdan			VTCRI  VTCRI	July 1, 2018 thru June 30, 2019	Master Agreement up to \$150,000	FirstString Research has been a research partner with Virginia Tech in the past and is seeking to engage in research with VT on a variety of projects for the fiscal year ahead. Management Plans will be created for each individual project as it presents itself.