



**Cristen Jandreau, Ph.D.**  
**Director, Conflict of Interest Program**  
 North End Center, Suite 4120  
 300 Turner Street NW  
 Blacksburg, Virginia 24061  
 P: (540) 231-4824 F: (540) 231-0959  
 Email: drj@vt.edu

**Date:** 02/21/2020

**To:** Board of Visitors

**Subject:** Report of open contracts entered into subject to the Code of Virginia "State and Local Government Conflict of Interests Act" ("the Act") § 2.2-3106 C. 8.

There were four contracts entered into at the time of this report (from 11/01/2019-2/21/2020) subject to the Act's exception for prohibited contracts involving research and development or commercialization of intellectual property. Details as per the Act § 2.2-3106 E. are included below.

Contract	#1	#2
Open contract number	PB37170A	PAYXP2VX
Names of parties	Virginia Tech and Alpha Foundation	Virginia Tech and BEM Controls LLC
Date contract executed	12/4/19	1/14/20
Contract term	10/1/19-11/30/2022	8/19/19-8/18/2020
Subject of contract	"Collecting mine dust particles with liquid-coated vibrating meshes, Phase 2"	"An Energy Internet Platform for Transactive Energy and Demand Response Applications"
Nature of COI	Michael Karmis is President of the Board of Directors for the Alpha Foundation. He has disclosed that he receives payments from the foundation in excess of \$5,000, which meets the definition of a personal interest. Michael Karmis will not be involved on the Virginia Tech or company side of the work. Aaron Noble, Associate Professor within the Department of Mining and Mineral	Saifur Rahman is the founder and CEO of BEM Controls LLC. He has disclosed that he receives payments from the company in excess of \$5,000 and has greater than 3% equity in the company, which meet the definition of a personal interest. BEM Controls LLC received a Department of Energy Small Business Innovation Research (SBIR) award. This is a Phase II SBIR award that includes a proposed subcontract to Virginia Tech. Paul Ampadu, Professor in the

	<p>Engineering will serve as the primary investigator for Virginia Tech.</p> <p>Independent research, financial, and student oversight were appointed.</p> <p>The exception was approved by President Sands on 12/3/2019.</p>	<p>Department of Electrical and Computer Engineering, will serve as the primary investigator for the Virginia Tech subcontract.</p> <p>Independent research, financial, and student oversight were appointed.</p> <p>The exception was approved by President Sands on 12/3/2019.</p>
Institution employee responsible for administering contract	<p>Trudy Riley, contract administration signatory</p> <p>Director, Virginia Tech Office of Sponsored Programs</p>	<p>Trudy Riley, contract administration signatory</p> <p>Director, Virginia Tech Office of Sponsored Programs</p>
The institution's commitment of resources or finances for the contract	N/A	N/A
Details of how revenues are to be dispersed	N/A (no revenues will be generated)	N/A (no revenues will be generated)

Contract	#3	#4
Open contract number	PRZU6MS4	PZNKDVTD
Names of parties	Virginia Tech and ImagingX Inc.	Virginia Tech and BEAM Diagnostics, Inc.
Date contract executed	1/17/20	1/21/20
Contract term	1/1/20-6/30/20 (POP for LOG)	9/30/19-8/31/2020
Subject of contract	"A Portable Head CT Scanner based on Stationary Carbon Nanotube X-ray Source and Deep Learning Image Formation"	"BEST-OD: Behavioral Economic Screening Tool of Opioid Use Disorder for use in clinical practice"
Nature of COI	<p>Guohua Cao is a part-time, visiting scientist in Computer Science, has established a company, ImagingX Inc., and has disclosed that he receives payments from the company in excess of \$5,000 and has greater than 3% equity in the company, which meet the definition of a personal interest. The company has received a Small Business Innovation Research (SBIR) award from the National Institutes of Health (NIH). This is a Phase I SBIR award that includes a proposed subcontract to Virginia Tech. Guohua Cao will serve as the PI for ImagingX Inc., while Spencer Bowen from the Fralin Biomedical Research Institute will perform the Virginia Tech work under the subcontract. Na Ren is a business director in the Center for Power Electronics Systems and is Guohua Cao's spouse. Na Ren is not involved in the business operations of ImagingX, Inc.</p>	<p>Warren Bickel, Professor at the Fralin Biomedical Research Institute (FBRI), serves as a principal for BEAM Diagnostics, Inc. and has disclosed that he has greater than 3% equity in the company, which meets the definition of a personal interest. The company plans to subcontract to Virginia Tech after receiving a Small Technology Transfer Research (STTR) Phase I award from the National Institute on Drug Abuse (NIDA). Warren Bickel will not be involved on the Virginia Tech or company side of the work. Sarah Snider, senior research associate at FBRI, also has greater than 3% equity in BEAM Diagnostics, Inc. and serves as the company's CEO/president. Sarah Snider will be the principal investigator for BEAM Diagnostics, Inc. and will not participate on the Virginia Tech side of the project. Jeffrey Stein, Assistant Professor at FBRI, will be the principal investigator for the Virginia Tech subcontract.</p>

	<p>Independent research, financial, and student oversight were appointed.</p> <p>The exceptions were approved by President Sands on 12/3/2019.</p>	<p>Independent research and student oversight were appointed.</p> <p>The exception was approved by President Sands on 1/29/2020.</p>
Institution employee responsible for administering contract	<p>Trudy Riley, contract administration signatory</p> <p>Director, VT Office of Sponsored Programs</p>	<p>Trudy Riley, contract administration signatory</p> <p>Director, VT Office of Sponsored Programs</p>
The institution's commitment of resources or finances for the contract	N/A	N/A
Details of how revenues are to be dispersed	N/A (no revenues will be generated)	N/A (no revenues will be generated)



**Cristen Jandreau, Ph.D.**  
**Director, Conflict of Interest Program**  
 North End Center, Suite 4120  
 300 Turner Street NW  
 Blacksburg, Virginia 24061  
 P: (540) 231-4824 F: (540) 231-0959  
 Email: drj@vt.edu

**Date:** 05/19/2020

**To:** Board of Visitors

**Subject:** Report of open contracts entered into subject to the Code of Virginia "State and Local Government Conflict of Interests Act" ("the Act") § 2.2-3106 C. 8.

There were four contracts entered into at the time of this report (from 2/22/2020-5/19/2020) subject to the Act's exception for prohibited contracts involving research and development or commercialization of intellectual property. Details as per the Act § 2.2-3106 E. are included below.

Contract	#1	#2
Open contract number	PRD6IZYT	PIXBNB5U
Names of parties	Virginia Tech and HEAR LLC	Virginia Tech and Mayfair Group LLC
Date contract executed	3/1/20	4/6/20
Contract term	3/1/20-2/28/22	2/24/20-5/31/20
Subject of contract	"VT-ASL Subcontract to Support HEAR, LLC PASAT SBIR prototype development"	"Amazon Mechanical Turk Service for Thesis Research"
Nature of COI	John Casali, John Grado Endowed Professor within the Department of Industrial and Systems Engineering (ISE), has reported an equity interest in HEAR LLC. Kichol Lee, Research Assistant Professor within ISE, has also reported an equity interest in HEAR LLC and holds a management position at the company. The company has subcontracted to Virginia Tech after receiving an SBIR Phase I award and a	Edward Fox, Professor within the Department of Computer Science, has reported an equity interest in Mayfair Group LLC where he serves as Chief Technology Officer. Virginia Tech has received an award from Mayfair Group LLC, which is budgeted for Amazon Mechanical Turk (AMT) services in support of Maanav Mehrotra's thesis research. Edward Fox will serve as the primary investigator for Virginia Tech

	<p>subsequent Phase II award from the Office of Naval Research (ONR). John Casali will serve as the principal investigator (PI) for Virginia Tech. Kichol Lee will serve as the PI for HEAR LLC and will not be participating on the Virginia Tech side of the project. The company may also seek to participate in further research and development with Virginia Tech. As defined by state law, John Casali and Kichol Lee have a personal interest in a contract.</p>	<p>and is Maanav Mehrotra's supervisor. As defined by state law, Edward Fox has a personal interest in a contract.</p>
<p>Institution employee responsible for administering contract</p>	<p>Trudy Riley, contract administration signatory</p> <p>Director, VT Office of Sponsored Programs</p>	<p>Trudy Riley, contract administration signatory</p> <p>Director, VT Office of Sponsored Programs</p>
<p>The institution's commitment of resources or finances for the contract</p>	<p>N/A</p>	<p>N/A</p>
<p>Details of how revenues are to be dispersed</p>	<p>N/A (no revenues will be generated)</p>	<p>N/A (no revenues will be generated)</p>

Contract	#3	#4
Open contract number	PTU5ZCGI	PBVL5DF
Names of parties	Virginia Tech and Jensen Hughes	Virginia Tech and CytoRecovery, Inc.
Date contract executed	4/10/20	4/24/20
Contract term	8/10/19-8/9/22	1/1/20-5/31/21
Subject of contract	"Firebrand Material Ignition Conditions and Assessment Method Development"	"Microsystem for label-free separation and recovery of tumor-associated cells from biopsies for precision medicine"
Nature of COI	<p>Brian Lattimer, Professor within the Department of Mechanical Engineering, was previously employed by Jensen Hughes and has received compensation in excess of \$5,000. Jensen Hughes has received an award from the National Institute of Standards and Technology (NIST) that includes a subaward to Virginia Tech. Brian Lattimer will carry out the scope of work as the primary investigator for Virginia Tech. The company may also seek to participate in further research and development with Virginia Tech. As defined by state law, Brian Lattimer has a personal interest in a contract.</p>	<p>Eva Schmelz, Associate Professor within the Department of Human Nutrition, Foods, and Exercise, has reported consulting work for CytoRecovery, Inc. and has received compensation in excess of \$5,000. Rafael Davalos, Professor within the Department of Biomedical Engineering and Mechanics, has reported compensation in excess of \$5,000 from CytoRecovery, Inc. Virginia Tech has received an award from the Virginia Biosciences Health Research Corporation (VBHRC) that includes cost sharing commitments by CytoRecovery, Inc. Eva Schmelz will be the primary investigator for Virginia Tech. Rafael Davalos will serve as co-investigator on this project. The company may also seek to participate in further research and development with Virginia Tech. As defined by state law, Eva Schmelz and Rafael Davalos have a personal interest in a contract.</p>
Institution employee responsible for	Trudy Riley, contract administration signatory	Trudy Riley, contract administration signatory

administering contract	Director, VT Office of Sponsored Programs	Director, VT Office of Sponsored Programs
The institution's commitment of resources or finances for the contract	N/A	N/A
Details of how revenues are to be dispersed	N/A (no revenues will be generated)	N/A (no revenues will be generated)