

**Monthly Proposals Report for May 2018**  
**Office of Grants and Contracts, University of North Texas**

Proposals Total by College	May 2017	May 2018	YTD FY2017	YTD FY2018
College of Arts and Sciences	\$ -	\$ -	\$ 71,522,130	\$ -
College of Business	\$ -	\$ 159,354	\$ 2,296,134	\$ 930,795
College of Education	\$ 197,845	\$ 661,631	\$ 11,785,106	\$ 7,055,723
College of Engineering	\$ 989,814	\$ 10,155,270	\$ 60,683,542	\$ 86,363,109
College of Health & Public Service (prev. PACS)	\$ 41,932	\$ 1,770,363	\$ 5,551,155	\$ 4,760,194
College of Information	\$ 50,000	\$ 159,354	\$ 4,005,228	\$ 5,311,901
College of Liberal Arts & Social Sciences	\$ -	\$ 155,011	\$ -	\$ 17,405,307
College of Merchandising Hospitality and Tourism	\$ -	\$ -	\$ 647,032	\$ 133,033
College of Music	\$ -	\$ -	\$ 20,001	\$ 74,485
College of Science	\$ 1,117,318	\$ 4,809,159	\$ 1,117,318	\$ 39,650,501
College of Visual Arts and Design	\$ -	\$ 11,665	\$ -	\$ 228,665
School of Journalism	\$ -	\$ -	\$ 156,188	\$ 94,938
Other <sup>1</sup>	\$ 162,923	\$ 43,000	\$ 6,202,540	\$ 1,471,449
<b>Grand Total:</b>	<b>\$ 2,559,831</b>	<b>\$ 17,924,808</b>	<b>\$ 163,986,374</b>	<b>\$ 163,480,101</b>

**Proposals Total by Category**

Instruction	\$ 110,011	\$ 2,997,906	\$ 8,599,679	\$ 5,304,256
Public Service	\$ 187,923	\$ 329,297	\$ 8,576,959	\$ 4,450,181
Research (Applied, Basic, Development)	\$ 2,261,897	\$ 14,597,605	\$ 145,800,461	\$ 153,382,418
Other <sup>2</sup>	\$ -	\$ -	\$ 1,009,275	\$ 343,246
<b>Grand Total:</b>	<b>\$ 2,559,831</b>	<b>\$ 17,924,808</b>	<b>\$ 163,986,374</b>	<b>\$ 163,480,101</b>

**Proposals Total by Source of Funding**

Federal	\$ 2,056,478	\$ 13,981,789	\$ 134,468,347	\$ 147,370,962
Private	\$ 491,626	\$ 590,520	\$ 15,450,696	\$ 10,804,124
State	\$ 11,727	\$ 3,352,499	\$ 14,067,331	\$ 5,305,016
<b>Grand Total:</b>	<b>\$ 2,559,831</b>	<b>\$ 17,924,808</b>	<b>\$ 163,986,374</b>	<b>\$ 163,480,101</b>

**Notes:**

1 Other includes UNT Libraries, Office of the Provost and Vice President of Academic Affairs, Enrollment Management, Dean of Students, Director Risk Management, Honors College, and Outreach & Community Involvement

2 Other includes Career, Conference, Equipment, Fellowship, Infrastructure/Facilities, Student Support, Travel, and Training

*Special Note:*

*In detailed proposal data, PI is the Cayuse SP named Lead Principal Investigator and Co-PI is any Cayuse SP named Principal Investigator. Recognition in the detailed proposal data is distributed from the Allocation of Credit as entered in Cayuse SP.*

# Proposals, May FY2018

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
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## College of Business

### Marketing & Logistics

#### Sauser, Brian

Sauser, B. , PI; Marketing & Logistics; Warren, S. , Co-PI; Learning Technologies

18-0480 Proposal: New	Comorbidities as moderators of cancer outcomes: Introduction of an evidence-based SES-driven algorithm formulation and its translation into a general tool for predictability, intervention and prevention	Research - Applied	University of North Texas Health Science at Forth Worth	State of TX Flow Thru	PI	9/1/2018	0.91	5.26%	50%	\$159,354	Pending
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Totals for **Sauser, Brian** **\$159,354**

Totals for **Marketing & Logistics** **\$159,354**

Totals for **College of Business** **\$159,354**

## College of Education

### Counseling & Higher Education

#### Bower, Beverly

18-0419 Proposal: New	Council for the Study of Community Colleges	Public Service	Council for the Study of Community Colleges	Industry	PI	7/1/2018	4.91	0.00%	100%	\$60,000	Awarded
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Totals for **Bower, Beverly** **\$60,000**

Totals for **Counseling & Higher Education** **\$60,000**

## Education - Dean's Office

#### Oliveira, DeeAnna

Oliveira, D. , Co-PI; Education - Dean's Office; Gu, X. , PI; Keller, M. , Co-PI; Zhang, T. , Co-PI; Kinesiology, Health Promotion, & Recreation; Wang, X. , Co-PI; Mathematics

18-0298 Proposal: New	Recess Programming and Classroom Change (RePACC) for Movement and Academic Behavior Promotion in Young Children	Research - Basic	National Institutes of Health - NIH	Federal	Co-PI	4/1/2019	2.66	48.50%	0%	\$0	Pending
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Totals for **Oliveira, DeeAnna** **\$0**

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
			Totals for	<b>Education - Dean's Office</b>						<b>\$0</b>	
<b><i>Kinesiology, Health Promotion, &amp; Recreation</i></b>											
<b>Gu, Xiangli</b>											
<i>Gu, X. , PI; Keller, M. , Co-PI; Zhang, T. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation; Oliveira, D. , Co-PI; Education - Dean's Office; Wang, X. , Co-PI; Mathematics</i>											
18-0298 Proposal: New	Recess Programming and Classroom Change (RePACC) for Movement and Academic Behavior Promotion in Young Children	Research - Basic	National Institutes of Health - NIH	Federal	PI	4/1/2019	2.66	48.50%	40%	\$183,384	Pending
			Totals for	<b>Gu, Xiangli</b>						<b>\$183,384</b>	
<b>Keller, M</b>											
<i>Keller, M. , Co-PI; Gu, X. , PI; Zhang, T. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation; Oliveira, D. , Co-PI; Education - Dean's Office; Wang, X. , Co-PI; Mathematics</i>											
18-0298 Proposal: New	Recess Programming and Classroom Change (RePACC) for Movement and Academic Behavior Promotion in Young Children	Research - Basic	National Institutes of Health - NIH	Federal	Co-PI	4/1/2019	2.66	48.50%	15%	\$68,769	Pending
			Totals for	<b>Keller, M</b>						<b>\$68,769</b>	
<b>Vingren, Jakob</b>											
<i>Vingren, J. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation; Namuduri, K. , PI; Mehta, G. , Co-PI; Mahbub, I. , Co-PI; Electrical Engineering</i>											
18-0358 Proposal: New	SCH: INT: Collaborative Research: Design of a Smart Life Vest for Detecting the Onset of Exercise-Related Sudden Cardiac Arrest	Research - Basic	National Science Foundation - NSF	Federal	Co-PI	1/1/2019	3.91	48.50%	25%	\$211,940	Pending
			Totals for	<b>Vingren, Jakob</b>						<b>\$211,940</b>	
<b>Zhang, Tao</b>											
<i>Zhang, T. , Co-PI; Gu, X. , PI; Keller, M. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation; Oliveira, D. , Co-PI; Education - Dean's Office; Wang, X. , Co-PI; Mathematics</i>											
18-0298 Proposal: New	Recess Programming and Classroom Change (RePACC) for Movement and Academic Behavior Promotion in Young Children	Research - Basic	National Institutes of Health - NIH	Federal	Co-PI	4/1/2019	2.66	48.50%	30%	\$137,538	Pending
			Totals for	<b>Zhang, Tao</b>						<b>\$137,538</b>	
			Totals for	<b>Kinesiology, Health Promotion, &amp; Recreation</b>						<b>\$601,631</b>	
			Totals for	<b>College of Education</b>						<b>\$661,631</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>College of Engineering</b>											
<b>Biomedical Engineering</b>											
<b>Chang, Lingqian</b>											
<i>Chang, L. , PI; Zhu, D. , Co-PI; Biomedical Engineering; Mahbub, I. , Co-PI; Electrical Engineering</i>											
18-0465 Proposal: New	Wearable single cell electro-transfection nano-patch for high efficient CRISPR-Cas9 gene delivery and editing	Research - Basic	National Institutes of Health - NIH	Federal	PI	4/1/2019	4.91	48.50%	50%	\$1,399,352	Pending
		Totals for	<b>Chang, Lingqian</b>							<b>\$1,399,352</b>	
<b>Zhu, Donghui</b>											
<i>Zhu, D. , Co-PI; Chang, L. , PI; Biomedical Engineering; Mahbub, I. , Co-PI; Electrical Engineering</i>											
18-0465 Proposal: New	Wearable single cell electro-transfection nano-patch for high efficient CRISPR-Cas9 gene delivery and editing	Research - Basic	National Institutes of Health - NIH	Federal	Co-PI	4/1/2019	4.91	48.50%	45%	\$1,259,417	Pending
		Totals for	<b>Zhu, Donghui</b>							<b>\$1,259,417</b>	
		Totals for	<b>Biomedical Engineering</b>							<b>\$2,658,769</b>	
<b>Computer Science &amp; Engineering</b>											
<b>Blanco Villar, Eduardo</b>											
18-0449 Proposal: New	Litidea: A Comprehensive Web Application to Assess Children's Speech and Reading Skills	Research - Basic	Puk Labs, LLC.	Federal Flow Thru	PI	1/1/2019	1.91	48.50%	100%	\$75,000	Pending
		Totals for	<b>Blanco Villar, Eduardo</b>							<b>\$75,000</b>	
<b>Ludi, Stephanie</b>											
18-0436 Proposal: New	CSforAll: PreK-8 Strand: Accessible Games to Teach CyberSecurity Computational Thinking to Hearing and Hearing Impaired Middle School Students	Research - Applied	Rochester Institute of Technology	Federal Flow Thru	PI	1/1/2019	1.91	48.50%	100%	\$43,322	Pending
		Totals for	<b>Ludi, Stephanie</b>							<b>\$43,322</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Mohanty, Saraju</b>											
<i>Mohanty, S. , PI; Computer Science &amp; Engineering; Kougianos, E. , Co-PI; Engineering Technology</i>											
18-0438 Proposal: New	CPS: Medium: Collaborative Research: cSeiz: Approaches for Seizure Detection and Control by Edge-Device in the IoMT	Research - Basic	National Science Foundation - Federal NSF		PI	3/17/2019	3	48.50%	60%	\$238,849	Pending
<i>Mohanty, S. , PI; Computer Science &amp; Engineering; Kougianos, E. , Co-PI; Engineering Technology</i>											
18-0478 Proposal: New	SCH: INT: Collaborative Research: FoB-EHR: Investigating Fortified-Blockchain-based Approaches for Electronic Health Record Storage, Management, and Dissemination	Research - Basic	National Science Foundation - Federal NSF		PI	3/17/2019	3	48.50%	60%	\$221,232	Pending
		Totals for	<b>Mohanty, Saraju</b>							<b>\$460,080</b>	
<b>Takabi, Hassan</b>											
18-0463 Proposal: New	NSF Student Travel Grant for 2018 ACM Conference on Computer and Communications Security (ACM CCS)	Public Service	National Science Foundation - Federal NSF		PI	7/1/2018	0.91	0.00%	100%	\$25,000	Awarded
		Totals for	<b>Takabi, Hassan</b>							<b>\$25,000</b>	
<b>Yang, Qing</b>											
<i>Yang, Q. , PI; Computer Science &amp; Engineering; Yang, T. , Co-PI; Electrical Engineering</i>											
18-0458 Proposal: New	CPS: Small: Collaborative Research: Data-Driven Cyber-Physical Transportation System	Research - Basic	National Science Foundation - Federal NSF		PI	1/1/2019	2.91	48.50%	50%	\$161,783	Pending
		Totals for	<b>Yang, Qing</b>							<b>\$161,783</b>	
		Totals for	<b>Computer Science &amp; Engineering</b>							<b>\$765,185</b>	
<b>Electrical Engineering</b>											
<b>Acevedo, Miguel</b>											
18-0424 Proposal: New	Sustainable Brackish Water Desalination: Concentrate Utilization for Food Production	Research - Applied	The Bureau of Reclamation	Federal	PI	9/1/2018	1.91	26.00%	100%	\$436,238	Pending
		Totals for	<b>Acevedo, Miguel</b>							<b>\$436,238</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Mahbub, Ifana</b>											
<i>Mahbub, I. , Co-PI; Namuduri, K. , PI; Mehta, G. , Co-PI; Electrical Engineering; Vingren, J. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation</i>											
18-0358 Proposal: New	SCH: INT: Collaborative Research: Design of a Smart Life Vest for Detecting the Onset of Exercise-Related Sudden Cardiac Arrest	Research - Basic	National Science Foundation - NSF	Federal	Co-PI	1/1/2019	3.91	48.50%	25%	\$211,940	Pending
18-0439 Proposal: New	CPS: TTP Option: Medium: Multi-grain CPS Framework with Inkjet Printed ECG System for Unsupervised Atrial Fibrillation Monitoring	Research - Basic	The University of Memphis	Federal Flow Thru	PI	1/1/2019	2.91	48.50%	100%	\$157,075	Pending
<i>Mahbub, I. , Co-PI; Electrical Engineering; Chang, L. , PI; Zhu, D. , Co-PI; Biomedical Engineering</i>											
18-0465 Proposal: New	Wearable single cell electro-transfection nano-patch for high efficient CRISPR-Cas9 gene delivery and editing	Research - Basic	National Institutes of Health - NIH	Federal	Co-PI	4/1/2019	4.91	48.50%	5%	\$139,935	Pending
			Totals for	<b>Mahbub, Ifana</b>						<b>\$508,951</b>	
<b>Mehta, Gayatri</b>											
<i>Mehta, G. , Co-PI; Namuduri, K. , PI; Mahbub, I. , Co-PI; Electrical Engineering; Vingren, J. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation</i>											
18-0358 Proposal: New	SCH: INT: Collaborative Research: Design of a Smart Life Vest for Detecting the Onset of Exercise-Related Sudden Cardiac Arrest	Research - Basic	National Science Foundation - NSF	Federal	Co-PI	1/1/2019	3.91	48.50%	25%	\$211,940	Pending
18-0470 Proposal: Supplement	Visual Architectures - REU Supplement	Research - Basic	National Science Foundation - NSF	Federal	PI	6/1/2018	0.91	0.00%	100%	\$8,000	Awarded
			Totals for	<b>Mehta, Gayatri</b>						<b>\$219,940</b>	
<b>Namuduri, Kameswara Rao</b>											
18-0357 Proposal: New	CPS: Medium: Collaborative Research: Foundations for Self-Organized Aerial Networking of Unmanned Aircraft Systems	Research - Basic	National Science Foundation - NSF	Federal	PI	1/1/2019	2.91	48.50%	100%	\$328,947	Pending

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<i>Namuduri, K. , PI; Mehta, G. , Co-PI; Mahub, I. , Co-PI; Electrical Engineering; Vingren, J. , Co-PI; Kinesiology, Health Promotion, &amp; Recreation</i>											
18-0358 Proposal: New	SCH: INT: Collaborative Research: Design of a Smart Life Vest for Detecting the Onset of Exercise-Related Sudden Cardiac Arrest	Research - Basic	National Science Foundation - NSF	Federal	PI	1/1/2019	3.91	48.50%	25%	\$211,940	Pending
			Totals for	<b>Namuduri, Kameswara Rao</b>						<b>\$540,887</b>	
<b>Yang, Tao</b>											
18-0440 Proposal: New	CPS: Medium: Collaborative Research: A Distributed Paradigm for Reliable, Efficient and Resilient Microgrid Operation under Communication and Physical Constraints	Research - Basic	National Science Foundation - NSF	Federal	PI	12/1/2018	2.91	48.50%	100%	\$278,020	Pending
<i>Yang, T. , Co-PI; Electrical Engineering; Yang, Q. , PI; Computer Science &amp; Engineering</i>											
18-0458 Proposal: New	CPS: Small: Collaborative Research: Data-Driven Cyber-Physical Transportation System	Research - Basic	National Science Foundation - NSF	Federal	Co-PI	1/1/2019	2.91	48.50%	50%	\$161,783	Pending
			Totals for	<b>Yang, Tao</b>						<b>\$439,803</b>	
			Totals for	<b>Electrical Engineering</b>						<b>\$2,145,820</b>	

### Engineering Technology

#### Anaya, Leticia

*Anaya, L. , PI; Bostanci, H. , Co-PI; Engineering Technology*

18-0503 Proposal: New	Denton County Boosting Engineering, Science and Technology (DC BEST) Robotics Kit Proposal	Public Service	U.S. Department of Defense - DOD	Federal	PI	6/1/2018	0.5	0.00%	75%	\$11,250	Pending
			Totals for	<b>Anaya, Leticia</b>						<b>\$11,250</b>	

#### Bostanci, Huseyin

*Bostanci, H. , PI; Engineering Technology; Zhao, W. , Co-PI; Mechanical & Energy Engineering*

18-0416 Proposal: New	Spray Evaporation on Enhanced Tube Bundles with Low GWP Pure Refrigerants and Refrigerant/Miscible Oil Mixtures	Research - Basic	American Society of Heating, Refrigeration and Air-conditioning Engineers - ASHRAE	Not for Profit	PI	9/1/2018	2.41	48.50%	70%	\$115,338	Pending
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File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status	
<i>Bostanci, H. , Co-PI; Engineering Technology; Zhao, W. , PI; Mechanical &amp; Energy Engineering</i>												
18-0446 Proposal: New	1814-TRP, Actual Energy Performance of Secondary Schools and Medium Offices Designed to Comply with ASHRAE Standard 90.1-2010	Research - Applied	American Society of Heating, Refrigeration and Air-conditioning Engineers - ASHRAE	Not for Profit	Co-PI	9/1/2018	1.58	48.50%	30%	\$35,344	Pending	
<i>Bostanci, H. , Co-PI; Anaya, L. , PI; Engineering Technology</i>												
18-0503 Proposal: New	Denton County Boosting Engineering, Science and Technology (DC BEST) Robotics Kit Proposal	Public Service	U.S. Department of Defense - DOD	Federal	Co-PI	6/1/2018	0.5	0.00%	25%	\$3,750	Pending	
			Totals for	<b>Bostanci, Huseyin</b>							<b>\$154,432</b>	
<b>Kougianos, Elias</b>												
<i>Kougianos, E. , Co-PI; Engineering Technology; Mohanty, S. , PI; Computer Science &amp; Engineering</i>												
18-0438 Proposal: New	CPS: Medium: Collaborative Research: cSeiz: Approaches for Seizure Detection and Control by Edge-Device in the IoMT	Research - Basic	National Science Foundation - NSF	Federal	Co-PI	3/17/2019	3	48.50%	40%	\$159,232	Pending	
<i>Kougianos, E. , Co-PI; Engineering Technology; Mohanty, S. , PI; Computer Science &amp; Engineering</i>												
18-0478 Proposal: New	SCH: INT: Collaborative Research: FoB-EHR: Investigating Fortified-Blockchain-based Approaches for Electronic Health Record Storage, Management, and Dissemination	Research - Basic	National Science Foundation - NSF	Federal	Co-PI	3/17/2019	3	48.50%	40%	\$147,488	Pending	
			Totals for	<b>Kougianos, Elias</b>							<b>\$306,720</b>	
<b>Nasrazadani, Seifollah</b>												
18-0460 Proposal: New	Testing and Evaluation of Ozone Removal Air Cleaning Devices for Improving IAQ	Research - Applied	American Society of Heating, Refrigeration and Air-conditioning Engineers - ASHRAE	Not for Profit	PI	9/1/2018	1.58	48.50%	100%	\$142,304	Pending	



File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<i>Nasrazadani, S. , Co-PI; Yu, C. , Co-PI; Engineering Technology; Dahotre, N. , PI; Mukherjee, S. , Co-PI; Materials Science &amp; Engineering; Zhang, H. , Co-PI; Mechanical &amp; Energy Engineering</i>											
18-0469 Proposal: New	Advanced Materials, Devices, and Structures for the Expeditionary Maneuver and Support (EMS) of Tactical shelters	Research - Basic	Northeastern University	Federal Flow Thru	Co-PI	10/1/2018	2.91	48.50%	20%	\$300,000	Pending
		Totals for	<b>Nasrazadani, Seifollah</b>							<b>\$442,304</b>	
<b>Yu, Cheng</b>											
<i>Yu, C. , Co-PI; Nasrazadani, S. , Co-PI; Engineering Technology; Dahotre, N. , PI; Mukherjee, S. , Co-PI; Materials Science &amp; Engineering; Zhang, H. , Co-PI; Mechanical &amp; Energy Engineering</i>											
18-0469 Proposal: New	Advanced Materials, Devices, and Structures for the Expeditionary Maneuver and Support (EMS) of Tactical shelters	Research - Basic	Northeastern University	Federal Flow Thru	Co-PI	10/1/2018	2.91	48.50%	20%	\$300,000	Pending
		Totals for	<b>Yu, Cheng</b>							<b>\$300,000</b>	
		Totals for	<b>Engineering Technology</b>							<b>\$1,214,706</b>	

**Materials Science & Engineering**

**Berman, Diana**

18-0459 Proposal: New	Propagation of deformation and fracture in nanoporous ceramic matrices for localized adsorption of coupled mechanical and thermal stresses.	Research - Basic	Army Research Office - ARO	Federal	PI	10/1/2018	2.91	48.50%	100%	\$450,000	Pending
18-0500 Proposal: New	Development of structural interfaces in nanoporous ceramics and their reconstruction during support release and material collapse	Research - Basic	Air Force Office of Scientific Research - AFOSR	Federal	PI	1/1/2019	2.91	48.50%	100%	\$450,000	Pending
		Totals for	<b>Berman, Diana</b>							<b>\$900,000</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Dahotre, Narendra</b>											
<i>Dahotre, N. , PI; Mukherjee, S. , Co-PI; Materials Science &amp; Engineering; Zhang, H. , Co-PI; Mechanical &amp; Energy Engineering; Yu, C. , Co-PI; Nasrazadani, S. , Co-PI; Engineering Technology</i>											
18-0469 Proposal: New	Advanced Materials, Devices, and Structures for the Expeditionary Maneuver and Support (EMS) of Tactical shelters	Research - Basic	Northeastern University	Federal Flow Thru	PI	10/1/2018	2.91	48.50%	20%	\$300,000	Pending
			Totals for	<b>Dahotre, Narendra</b>						<b>\$300,000</b>	
<b>D'Souza, Nandika</b>											
<i>D'Souza, N. , Co-PI; Materials Science &amp; Engineering; Shi, S. , PI; D'Souza, N. , Co-PI; Mechanical &amp; Energy Engineering; Dixon, R. , Co-PI; Biological Sciences</i>											
18-0423 Proposal: Resubmissio	Large-scale comprehensive initiative of regional forest/agriculture based bioproduct program	Research - Development	National Institute of Food and Agriculture - NIFA	Federal Flow Thru	Co-PI	1/1/2019	2.91	48.50%	8%	\$60,000	Pending
			Totals for	<b>D'Souza, Nandika</b>						<b>\$60,000</b>	
<b>Du, Jincheng</b>											
18-0487 Proposal: New	Collaborative Research: Modeling Guided Phase Selection for the Synthesis of Vanadium Phosphorus Oxide Ceramics	Research - Basic	National Science Foundation - NSF	Federal	PI	12/1/2018	2.91	48.50%	100%	\$311,812	Pending
			Totals for	<b>Du, Jincheng</b>						<b>\$311,812</b>	
<b>Mukherjee, Sundeep</b>											
<i>Mukherjee, S. , Co-PI; Dahotre, N. , PI; Materials Science &amp; Engineering; Zhang, H. , Co-PI; Mechanical &amp; Energy Engineering; Yu, C. , Co-PI; Nasrazadani, S. , Co-PI; Engineering Technology</i>											
18-0469 Proposal: New	Advanced Materials, Devices, and Structures for the Expeditionary Maneuver and Support (EMS) of Tactical shelters	Research - Basic	Northeastern University	Federal Flow Thru	Co-PI	10/1/2018	2.91	48.50%	20%	\$300,000	Pending
			Totals for	<b>Mukherjee, Sundeep</b>						<b>\$300,000</b>	
			Totals for	<b>Materials Science &amp; Engineering</b>						<b>\$1,871,812</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
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**Mechanical & Energy Engineering**

**Choi, Tae-Youl**

*Choi, T. , Co-PI; Mechanical & Energy Engineering; Neogi, A. , PI; Physics*

18-0450 Proposal: Supplement	GOALI: EFRI NewLaw: Non-reciprocal effects and Anderson localization of acoustic and elastic waves in periodic structures with broken P-symmetry of the unit cell	Research - Applied	National Science Foundation - NSF	Federal	Co-PI	6/1/2018	0.91	0.00%	50%	\$8,000	Declined
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Totals for **Choi, Tae-Youl** **\$8,000**

**D'Souza, Nandika**

*D'Souza, N. , Co-PI; Shi, S. , PI; Mechanical & Energy Engineering; Dixon, R. , Co-PI; Biological Sciences; D'Souza, N. , Co-PI; Materials Science & Engineering*

18-0423 Proposal: Resubmissio	Large-scale comprehensive initiative of regional forest/agriculture based bioproduct program	Research - Development	National Institute of Food and Agriculture - NIFA	Federal Flow Thru	Co-PI	1/1/2019	2.91	48.50%	32%	\$240,000	Pending
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Totals for **D'Souza, Nandika** **\$240,000**

**Sadat Hosseini, Seyed Hamid**

18-0437 Proposal: New	A Parallel Structured Overset CFD Solver for Supported Cardiovascular Systems: Simulation of LVAD, Heart, and Great Vessel Flow to Minimize Eddies and Stasis, and to Mitigate Thrombotic Risks	Research - Applied	National Institutes of Health - NIH	Federal	PI	1/31/2019	1.91	48.50%	100%	\$444,078	Pending
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Totals for **Sadat Hosseini, Seyed Hamid** **\$444,078**

**Shi, Sheldon**

*Shi, S. , PI; D'Souza, N. , Co-PI; Mechanical & Energy Engineering; Dixon, R. , Co-PI; Biological Sciences; D'Souza, N. , Co-PI; Materials Science & Engineering*

18-0423 Proposal: Resubmissio	Large-scale comprehensive initiative of regional forest/agriculture based bioproduct program	Research - Development	National Institute of Food and Agriculture - NIFA	Federal Flow Thru	PI	1/1/2019	2.91	48.50%	50%	\$375,000	Pending
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Totals for **Shi, Sheldon** **\$375,000**

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
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**Zhang, Haifeng**

*Zhang, H. , Co-PI; Mechanical & Energy Engineering; Dahotre, N. , PI; Mukherjee, S. , Co-PI; Materials Science & Engineering; Yu, C. , Co-PI; Nasrazadani, S. , Co-PI; Engineering Technology*

18-0469 Proposal: New	Advanced Materials, Devices, and Structures for the Expeditionary Maneuver and Support (EMS) of Tactical shelters	Research - Basic	Northeastern University	Federal Flow Thru	Co-PI	10/1/2018	2.91	48.50%	20%	\$300,000	Pending
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Totals for **Zhang, Haifeng** **\$300,000**

**Zhao, Weihuan**

*Zhao, W. , Co-PI; Mechanical & Energy Engineering; Bostanci, H. , PI; Engineering Technology*

18-0416 Proposal: New	Spray Evaporation on Enhanced Tube Bundles with Low GWP Pure Refrigerants and Refrigerant/Miscible Oil Mixtures	Research - Basic	American Society of Heating, Refrigeration and Air-conditioning Engineers - ASHRAE	Not for Profit	Co-PI	9/1/2018	2.41	48.50%	30%	\$49,430	Pending
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*Zhao, W. , PI; Mechanical & Energy Engineering; Bostanci, H. , Co-PI; Engineering Technology*

18-0446 Proposal: New	1814-TRP, Actual Energy Performance of Secondary Schools and Medium Offices Designed to Comply with ASHRAE Standard 90.1-2010	Research - Applied	American Society of Heating, Refrigeration and Air-conditioning Engineers - ASHRAE	Not for Profit	PI	9/1/2018	1.58	48.50%	70%	\$82,470	Pending
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Totals for **Zhao, Weihuan** **\$131,900**

Totals for **Mechanical & Energy Engineering** **\$1,498,978**

Totals for **College of Engineering** **\$10,155,270**

**College of Health & Public Service**

**Behavior Analysis**

**Ala'i-Rosales, Shahla**

18-0378 Proposal: Supplement	Easter Seals ABA	Public Service	Easter Seals	Not for Profit	PI	9/1/2018	0.91	0.00%	100%	\$85,634	Pending
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Totals for **Ala'i-Rosales, Shahla** **\$85,634**

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Smith, Richard</b>											
18-0432 Proposal: Supplement	Behavior Analysis Resource Center - Competency Based Training	Public Service	Texas Department of Aging Disability	State of TX	PI	9/1/2018	0.91	26.00%	100%	\$84,055	Pending
18-0475 Proposal: New	BARC - PBMS Workshops	Public Service	Texas Health and Human Services Commission	State of TX	PI	9/1/2018	0.91	26.00%	100%	\$47,943	Pending
	Totals for		<b>Smith, Richard</b>							<b>\$131,998</b>	
	Totals for		<b>Behavior Analysis</b>							<b>\$217,632</b>	
<b>Social Work</b>											
<b>Thomas, Cecilia</b>											
18-0414 Proposal: New	IV-E University Training Program	Instruction	Texas Department of Family Protective Services	State of TX	PI	7/1/2018	0.91	35.00%	100%	\$1,552,731	Pending
	Totals for		<b>Thomas, Cecilia</b>							<b>\$1,552,731</b>	
	Totals for		<b>Social Work</b>							<b>\$1,552,731</b>	
	Totals for		<b>College of Health &amp; Public Service</b>							<b>\$1,770,363</b>	
<b>College of Information Learning Technologies</b>											
<b>Warren, Scott</b>											
<i>Warren, S. , Co-PI; Learning Technologies; Sauser, B. , PI; Marketing &amp; Logistics</i>											
18-0480 Proposal: New	Comorbidities as moderators of cancer outcomes: Introduction of an evidence-based SES-driven algorithm formulation and its translation into a general tool for predictability, intervention and prevention	Research - Applied	University of North Texas Health Science at Forth Worth	State of TX Flow Thru	Co-PI	9/1/2018	0.91	5.26%	50%	\$159,354	Pending
	Totals for		<b>Warren, Scott</b>							<b>\$159,354</b>	
	Totals for		<b>Learning Technologies</b>							<b>\$159,354</b>	
	Totals for		<b>College of Information</b>							<b>\$159,354</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
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*College of Liberal Arts & Social Sciences*

*Geography*

**Ferring, C**

18-0462 Proposal: New	A network of evapotranspiration observation sites to constrain ET estimation methods and water availability models in the Mississippi Alluvial Plain	Research - Applied	University of Arkansas	Federal Flow Thru	PI	9/1/2018	2.91	0.00%	100%	\$155,011	Pending
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Totals for **Ferring, C** **\$155,011**

Totals for **Geography** **\$155,011**

Totals for **College of Liberal Arts & Social Sciences** **\$155,011**

*College of Science*

*Biological Sciences*

**Alonso, Ana Paula**

18-0303 Proposal: Transfer (PI)	Development of Resources and Tools to Improve Oil Content and Quality in Pennycress	Research - Basic	U.S. Department of Energy - DOE	Federal	PI	1/1/2018	1.58	48.50%	100%	\$837,154	Pending
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Totals for **Alonso, Ana Paula** **\$837,154**

**Dixon, Richard**

*Dixon, R. , Co-PI; Biological Sciences; Shi, S. , PI; D'Souza, N. , Co-PI; Mechanical & Energy Engineering; D'Souza, N. , Co-PI; Materials Science & Engineering*

18-0423 Proposal: Resubmissio	Large-scale comprehensive initiative of regional forest/agriculture based bioproduct program	Research - Development	National Institute of Food and Agriculture - NIFA	Federal Flow Thru	Co-PI	1/1/2019	2.91	48.50%	10%	\$75,000	Pending
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Totals for **Dixon, Richard** **\$75,000**

Totals for **Biological Sciences** **\$912,154**

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Chemistry</b>											
<b>Buongiorno Nardelli, Marco</b>											
<i>Buongiorno Nardelli, M. , Co-PI; Chemistry; Buongiorno Nardelli, M. , PI; Physics</i>											
18-0476 Proposal: New	Q4Q: Quantum Computation for Quantum Prediction of Materials and Molecular Properties	Research - Basic	University of Southern California	Federal Flow Thru	Co-PI	9/30/2018	3	48.50%	20%	\$110,999	Pending
		Totals for	<b>Buongiorno Nardelli, Marco</b>							<b>\$110,999</b>	
<b>Cisneros, G. Andres</b>											
<i>Cisneros, G. , PI; Chemistry; Wang, X. , Co-PI; Mathematics</i>											
18-0415 Proposal: New	Computational Discovery and Characterization of Cancer Mutants on DNA Transaction Enzymes	Research - Basic	Cancer Prevention and Research Institute of Texas	State of TX	PI	9/1/2018	2.91	5.26%	80%	\$1,079,250	Pending
18-0494 Proposal: Supplement	Theory and simulation of DNA repair enzymes; mechanism, structure and function	Research - Basic	National Institutes of Health - NIH	Federal	PI	9/1/2018	0.41	0.00%	100%	\$199,038	Pending
		Totals for	<b>Cisneros, G. Andres</b>							<b>\$1,278,288</b>	
<b>Omary, Mohammad</b>											
18-0453 Proposal: Supplement	Dawn Rise upon New Chemical Bonds amidst Ground- and Excited-State Bonding Assortments in Luminescent Molecules/Excitons/Polarons	Research - Basic	Robert A. Welch Foundation	Not for Profit	PI	6/1/2018	0.91	0.00%	100%	\$10,000	Awarded
		Totals for	<b>Omary, Mohammad</b>							<b>\$10,000</b>	
<b>Richmond, Michael</b>											
18-0452 Proposal: Supplement	Synthesis and Reactivity Studies of Metal Clusters	Research - Basic	Robert A. Welch Foundation	Not for Profit	PI	6/1/2018	0.91	0.00%	100%	\$10,000	Awarded
		Totals for	<b>Richmond, Michael</b>							<b>\$10,000</b>	
		Totals for	<b>Chemistry</b>							<b>\$1,409,287</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
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**Mathematics**

**Wang, Xuexia**

*Wang, X. , Co-PI; Mathematics; Gu, X. , PI; Keller, M. , Co-PI; Zhang, T. , Co-PI; Kinesiology, Health Promotion, & Recreation; Oliveira, D. , Co-PI; Education - Dean's Office*

18-0298 Proposal: New	Recess Programming and Classroom Change (RePACC) for Movement and Academic Behavior Promotion in Young Children	Research - Basic	National Institutes of Health - NIH	Federal	Co-PI	4/1/2019	2.66	48.50%	15%	\$68,769	Pending
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*Wang, X. , Co-PI; Mathematics; Cisneros, G. , PI; Chemistry*

18-0415 Proposal: New	Computational Discovery and Characterization of Cancer Mutants on DNA Transaction Enzymes	Research - Basic	Cancer Prevention and Research Institute of Texas	State of TX	Co-PI	9/1/2018	2.91	5.26%	20%	\$269,812	Pending
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Totals for **Wang, Xuexia** **\$338,581**

Totals for **Mathematics** **\$338,581**

**Physics**

**Buongiorno Nardelli, Marco**

*Buongiorno Nardelli, M. , PI; Physics; Buongiorno Nardelli, M. , Co-PI; Chemistry*

18-0476 Proposal: New	Q4Q: Quantum Computation for Quantum Prediction of Materials and Molecular Properties	Research - Basic	University of Southern California	Federal Flow Thru	PI	9/30/2018	3	48.50%	80%	\$443,996	Pending
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Totals for **Buongiorno Nardelli, Marco** **\$443,996**

**Neogi, Arup**

*Neogi, A. , PI; Physics; Choi, T. , Co-PI; Mechanical & Energy Engineering*

18-0450 Proposal: Supplement	GOALI: EFRI NewLaw: Non-reciprocal effects and Anderson localization of acoustic and elastic waves in periodic structures with broken P-symmetry of the unit cell	Research - Applied	National Science Foundation - NSF	Federal	PI	6/1/2018	0.91	0.00%	50%	\$8,000	Declined
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18-0474 Proposal: Supplement	Optimization of 3D printed phononic structures for topological acoustics and logic devices	Research - Basic	National Science Foundation - NSF	Federal	PI	8/1/2018	0.58	26.00%	100%	\$50,000	Pending
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File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
			Totals for	<b>Neogi, Arup</b>						\$58,000	
<b>Shemmer, Ohad</b>											
18-0435 Proposal: New	Multiwavelength Diagnostics of Quasar Accretion Power	Research - Basic	National Aeronautics Space Administration - NASA	Federal	PI	1/1/2019	1.91	48.50%	100%	\$201,966	Pending
			Totals for	<b>Shemmer, Ohad</b>						\$201,966	
			Totals for	<b>Physics</b>						\$703,962	
<b>Teach North Texas</b>											
<b>Thompson, Ruthanne</b>											
18-0493 Proposal: New	Expanding and Strengthening STEM Teacher Workforce Through UTeach	Instruction	University of Texas at Austin	Federal Flow Thru	PI	9/1/2018	4.91	8.00%	100%	\$1,445,175	Pending
			Totals for	<b>Thompson, Ruthanne</b>						\$1,445,175	
			Totals for	<b>Teach North Texas</b>						\$1,445,175	
			Totals for	<b>College of Science</b>						\$4,809,159	
<b>College of Visual Arts &amp; Design</b>											
<b>Design</b>											
<b>Becker, Annette</b>											
18-0425 Proposal: New	Clothing a Community: Recording and Activating Fashion History in the Dallas Metroplex	Public Service	National Endowment for the Humanities - NEH	Federal	PI	6/1/2019	0.91	31.50%	100%	\$11,665	Pending
			Totals for	<b>Becker, Annette</b>						\$11,665	
			Totals for	<b>Design</b>						\$11,665	
			Totals for	<b>College of Visual Arts &amp; Design</b>						\$11,665	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
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**Research & Innovation**

**Advanced Environmental Research Institute (AERI)**

**Kennedy, James**

18-0473 Proposal: New	Aquatic herpetofaunal and macroinvertebrate inventory of Camp Maxey in north-east Texas	Research - Applied	Texas Adjutant Generals Department	Federal Flow Thru	PI	7/14/2017	1.08	0.00%	100%	\$43,000	Awarded
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Totals for	<b>Kennedy, James</b>									<b>\$43,000</b>	
Totals for	<b>Advanced Environmental Research Institute (AERI)</b>									<b>\$43,000</b>	
Totals for	<b>Research &amp; Innovation</b>									<b>\$43,000</b>	
Totals for	<b>UNT</b>									<b>\$17,924,808</b>	
<b>Totals for</b>	<b>May FY2018:</b>									<b>\$17,924,808</b>	