

**Monthly Proposal Report for November 2015**  
**University of North Texas**

<b>Proposals Total by College</b>	<b>Nov 2015</b>	<b>Nov 2016</b>	<b>YTD FY2015</b>	<b>YTD FY2016</b>
College of Arts and Sciences	\$5,063,153	\$8,813,768	\$28,529,791	\$18,745,632
College of Business	\$0	\$0	\$0	\$3,000
College of Education	\$1,490,045	\$100,587	\$2,352,534	\$2,756,628
College of Engineering	\$7,883,366	\$8,205,880	\$18,299,044	\$22,219,776
College of Information	\$2,861,563	\$2,755,087	\$6,508,610	\$3,096,660
College of Merchandising Hospitality and Tourism	\$819,257	\$0	\$41,020	\$0
College of Music	\$0	\$0	\$0	\$0
College of Public Affairs and Community Service	\$0	\$0	\$1,840,341	\$57,147
College of Visual Arts and Design	\$0	\$0	\$179,095	\$30,204
School of Journalism	\$0	\$36,000	\$528,124	\$54,000
Other <sup>1</sup>	\$0	\$0	\$678,970	\$0
<b>Grand Total:</b>	<b>\$18,117,385</b>	<b>\$19,911,321</b>	<b>\$58,957,528</b>	<b>\$46,963,047</b>

**Proposals Total by Category**

Instruction	\$550,177	\$63,000	\$585,491	\$64,000
Public Service	\$198,316	\$136,587	\$1,624,382	\$2,565,738
Research (Applied, Basic, Development)	\$17,368,892	\$19,679,881	\$56,747,655	\$44,089,997
Other <sup>2</sup>	\$0	\$31,854	\$0	\$243,312
<b>Grand Total:</b>	<b>\$18,117,385</b>	<b>\$19,911,321</b>	<b>\$58,957,528</b>	<b>\$46,963,047</b>

**Proposals Total by Source of Funding**

Federal	\$16,648,609	\$18,716,915	\$51,502,885	\$40,993,978
Private	\$953,289	\$1,149,038	\$6,608,194	\$4,118,184
State	\$515,487	\$45,368	\$846,449	\$1,850,884
<b>Grand Total:</b>	<b>\$18,117,385</b>	<b>\$19,911,321</b>	<b>\$58,957,528</b>	<b>\$46,963,047</b>

**Notes:**

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

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

last updated

02/05/2016

# Proposals, November FY2016

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<i>UNT</i>											
<i>College of Arts &amp; Sciences</i>											
<i>Biological Sciences</i>											
<b>Atkinson, Samuel</b>											
16-0177 Proposal: Task Order	Task 11 - Founder Colony maintenance and improvements; riparian plantings (2016-2018)	Research - Applied	City of Austin	Local Govt	PI	1/1/2016	2	10.00%	100%	\$150,000	Submitted to Sponsor
		Totals for	<b>Atkinson, Samuel</b>							<b>\$150,000</b>	
<b>Azad, Rajeev</b>											
<i>Azad, R., Co-PI; Wang, X., PI; Dixon, R., Co-PI; Shulaev, V., Co-PI; Biological Sciences; Azad, R., Co-PI; Mathematics</i>											
16-0078 Proposal: Resubmissio	Structural and functional studies of plant UGTs for engineering of natural products	Research - Basic	National Institutes of Health - NIH	Federal	Co-PI	5/1/2016	5	48.50%	9%	\$167,063	Submitted to Sponsor
<i>Azad, R., Co-PI; Mittler, R., PI; Biological Sciences; Azad, R., Co-PI; Mathematics</i>											
16-0121 Proposal: New	NSF/MCB-BSF: Integrating ROS, redox and cell metabolism across plant and animal cells	Research - Basic	National Science Foundation - NSF	Federal	Co-PI	6/30/2016	4	48.50%	12%	\$102,555	Submitted to Sponsor
<i>Azad, R., PI; Biological Sciences; Azad, R., Co-PI; Mathematics</i>											
16-0227 Proposal: New	Understanding the genome of otopathogenic <i>Pseudomonas aeruginosa</i>	Research - Applied	University of Miami - School of Medicine	Federal Flow Thru	PI	7/1/2016	2	48.50%	60%	\$35,619	Submitted to Sponsor
		Totals for	<b>Azad, Rajeev</b>							<b>\$305,236</b>	
<b>Chapman, Kent</b>											
16-0200 Proposal: Supplement	Regulation of neutral lipid metabolism in plants- Extension of current agreement to July 31, 2016. Amendment to include post-doc salary	Research - Basic	U.S. Department of Agriculture - USDA	Federal	PI	11/30/2015	1	48.00%	100%	\$41,712	Submitted to Sponsor
		Totals for	<b>Chapman, Kent</b>							<b>\$41,712</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Dixon, Richard</b>											
<i>Dixon, R., Co-PI; Wang, X., PI; Shulaev, V., Co-PI; Azad, R., Co-PI; Biological Sciences; Azad, R., Co-PI; Mathematics</i>											
16-0078 Proposal: Resubmissio	Structural and functional studies of plant UGTs for engineering of natural products	Research - Basic	National Institutes of Health - NIH	Federal	Co-PI	5/1/2016	5	48.50%	15%	\$278,438	Submitted to Sponsor
16-0196 Proposal: Supplement	Condensed Tannin Expression in Row Crops	Research - Applied	Grasslanz Technology Limited - GTL	Foreign	PI	12/1/2014	4	48.00%	100%	\$450,000	Funded
Totals for										<b>Dixon, Richard</b>	<b>\$728,438</b>
<b>Hunt Von Herbing, Ione</b>											
16-0119 Proposal: New	Effectiveness of Probiotics on Growth Energetics and Gut Microbiome Health in a Marine Fish Important to Aquaculture	Research - Applied	National Oceanic Atmospheric Administration - NOA	Federal	PI	9/1/2016	2	48.50%	100%	\$299,644	Submitted to Sponsor
Totals for										<b>Hunt Von Herbing, Ione</b>	<b>\$299,644</b>
<b>Mittler, Ron</b>											
<i>Mittler, R., PI; Azad, R., Co-PI; Biological Sciences; Azad, R., Co-PI; Mathematics</i>											
16-0121 Proposal: New	NSF/MCB-BSF: Integrating ROS, redox and cell metabolism across plant and animal cells	Research - Basic	National Science Foundation - NSF	Federal	PI	6/30/2016	4	48.50%	80%	\$683,701	Submitted to Sponsor
16-0154 Proposal: New	A new role for ABA in mediating systemic acclimation of plants to abiotic stress.	Research - Basic	United States-Israel Binational Science	Not for Profit	PI	7/1/2016	2	15.00%	100%	\$114,912	Submitted to Sponsor
Totals for										<b>Mittler, Ron</b>	<b>\$798,613</b>
<b>Roberts, Aaron</b>											
16-0184 Proposal: Supplement	Toxicity of DWH Oil to Fiddler Crabs	Research - Applied	Stratus Consulting	Industry	PI	9/1/2012	3	47.00%	100%	\$15,930	Submitted to Sponsor
Totals for										<b>Roberts, Aaron</b>	<b>\$15,930</b>

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Shulaev, Vladimir</b>											
<i>Shulaev, V., Co-PI; Wang, X., PI; Dixon, R., Co-PI; Azad, R., Co-PI; Biological Sciences; Azad, R., Co-PI; Mathematics</i>											
16-0078 Proposal: Resubmissio	Structural and functional studies of plant UGTs for engineering of natural products	Research - Basic	National Institutes of Health - NIH	Federal	Co-PI	5/1/2016	5	48.50%	15%	\$278,438	Submitted to Sponsor
16-0165 Proposal: New	Manipulating cluster microclimate, light incidence and quality to reveal the regulation of grape-berry quality and aroma composition and identifying metabolically active radiation ranges	Research - Basic	United States-Israel Binational Science	Not for Profit	PI	6/1/2016	3	15.00%	100%	\$95,096	Submitted to Sponsor
<i>Shulaev, V., Co-PI; Wang, X., PI; Biological Sciences</i>											
16-0171 Proposal: New	Structure and function of novel ligand-gated ion channels involved in nodulation signaling and nitrogen fixation	Research - Basic	National Science Foundation - NSF	Federal	Co-PI	9/1/2016	3	48.50%	30%	\$262,821	Submitted to Sponsor
Totals for										<b>Shulaev, Vladimir</b>	<b>\$636,355</b>
<b>Wang, Xiaoqiang</b>											
<i>Wang, X., PI; Dixon, R., Co-PI; Shulaev, V., Co-PI; Azad, R., Co-PI; Biological Sciences; Azad, R., Co-PI; Mathematics</i>											
16-0078 Proposal: Resubmissio	Structural and functional studies of plant UGTs for engineering of natural products	Research - Basic	National Institutes of Health - NIH	Federal	PI	5/1/2016	5	48.50%	55%	\$1,020,938	Submitted to Sponsor
<i>Wang, X., PI; Shulaev, V., Co-PI; Biological Sciences</i>											
16-0171 Proposal: New	Structure and function of novel ligand-gated ion channels involved in nodulation signaling and nitrogen fixation	Research - Basic	National Science Foundation - NSF	Federal	PI	9/1/2016	3	48.50%	70%	\$613,249	Submitted to Sponsor
Totals for										<b>Wang, Xiaoqiang</b>	<b>\$1,634,187</b>
Totals for										<b>Biological Sciences</b>	<b>\$4,610,114</b>

### Chemistry

#### Cundari, Thomas

16-0019 Proposal: New	Modeling of Late Transition Metal Catalysts for Energy Applications	Research - Basic	U.S. Department of Energy - DOE	Federal	PI	9/1/2016	3	48.50%	100%	\$362,698	Submitted to Sponsor
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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>Cundari, Thomas</b>							<b>\$362,698</b>	
<b>Omary, Mohammad</b>											
16-0115 Proposal: Resubmissio	Collaborative Research: Fluorous Coordination Polymers as Next-Generation Low-Dielectric-Constant Materials	Research - Basic	National Science Foundation - Federal NSF		PI	8/1/2016	3	48.50%	100%	\$516,896	Submitted to Sponsor
		Totals for	<b>Omary, Mohammad</b>							<b>\$516,896</b>	
		Totals for	<b>Chemistry</b>							<b>\$879,594</b>	

### Mathematics

#### Azad, Rajeev

*Azad, R., Co-PI; Mathematics; Wang, X., PI; Dixon, R., Co-PI; Shulaev, V., Co-PI; Azad, R., Co-PI; Biological Sciences*

16-0078 Proposal: Resubmissio	Structural and functional studies of plant UGTs for engineering of natural products	Research - Basic	National Institutes of Health - Federal NIH		Co-PI	5/1/2016	5	48.50%	6%	\$111,375	Submitted to Sponsor
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*Azad, R., Co-PI; Mathematics; Mittler, R., PI; Azad, R., Co-PI; Biological Sciences*

16-0121 Proposal: New	NSF/MCB-BSF: Integrating ROS, redox and cell metabolism across plant and animal cells	Research - Basic	National Science Foundation - Federal NSF		Co-PI	6/30/2016	4	48.50%	8%	\$68,370	Submitted to Sponsor
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*Azad, R., Co-PI; Mathematics; Azad, R., PI; Biological Sciences*

16-0227 Proposal: New	Understanding the genome of otopathogenic Pseudomonas aeruginosa	Research - Applied	University of Miami - School of Medicine	Federal Flow Thru	Co-PI	7/1/2016	2	48.50%	40%	\$23,746	Submitted to Sponsor
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Totals for **Azad, Rajeev** **\$203,491**

Totals for **Mathematics** **\$203,491**

### Physics

#### Aouadi, Samir

*Aouadi, S., Co-PI; Physics; Aouadi, S., PI; Scharf, T., Co-PI; Materials Science & Engineering*

16-0193 Proposal: Resubmissio	Computational and Experimental Investigation to Understand Deformation Mechanisms in Self-Healing Oxides	Research - Basic	U.S. Department of Energy - DOE	Federal	Co-PI	7/1/2016	3	48.50%	10%	\$67,754	Submitted to Sponsor
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Totals for **Aouadi, Samir** **\$67,754**

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Drachev, Vladimir</b>											
16-0093 Proposal: New	DUV-Resonant Magneto-Plasmonic Platform for Biomedical Applications	Research - Basic	National Science Foundation - Federal NSF		PI	9/1/2016	3	48.50%	100%	\$354,710	Submitted to Sponsor
<i>Drachev, V., Co-PI; Krokhin, A., PI; Physics</i>											
16-0135 Proposal: New	OP: Electrodynamics of plasmonic and hyperbolic metamaterials with natural epsilon-near-zero interface layer	Research - Basic	National Science Foundation - Federal NSF		Co-PI	9/1/2016	3	48.50%	40%	\$189,926	Submitted to Sponsor
Totals for <b>Drachev, Vladimir</b>										<b>\$544,636</b>	
<b>Glass, Gary</b>											
16-0105 Proposal: Resubmissio	Preoptic Outflow to Copulatory Motor Loci: Impact of BPA	Research - Basic	University of Louisiana at Monroe	Federal Flow Thru	PI	4/1/2016	2	48.50%	50%	\$52,620	Submitted to Sponsor
Totals for <b>Glass, Gary</b>										<b>\$52,620</b>	
<b>Krokhin, Arkadii</b>											
<i>Krokhin, A., Co-PI; Neogi, A., PI; Philipose, U., Co-PI; Physics</i>											
16-0131 Proposal: New	Role of plasmonic resonance and Coulomb interactions in modification of light emitted by low-dimensional semiconductors	Research - Applied	National Science Foundation - Federal NSF		Co-PI	6/1/2016	2	48.50%	30%	\$106,563	Submitted to Sponsor
<i>Krokhin, A., PI; Drachev, V., Co-PI; Physics</i>											
16-0135 Proposal: New	OP: Electrodynamics of plasmonic and hyperbolic metamaterials with natural epsilon-near-zero interface layer	Research - Basic	National Science Foundation - Federal NSF		PI	9/1/2016	3	48.50%	60%	\$284,888	Submitted to Sponsor
Totals for <b>Krokhin, Arkadii</b>										<b>\$391,451</b>	
<b>Neogi, Arup</b>											
<i>Neogi, A., PI; Krokhin, A., Co-PI; Philipose, U., Co-PI; Physics</i>											
16-0131 Proposal: New	Role of plasmonic resonance and Coulomb interactions in modification of light emitted by low-dimensional semiconductors	Research - Applied	National Science Foundation - Federal NSF		PI	6/1/2016	2	48.50%	40%	\$142,084	Submitted to Sponsor

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
16-0146 Proposal: New	OP:Efficient white light generation using Electrostatics and off-resonant plasmonic effects in MoS2/GaN hybrid semiconductors	Research - Applied	National Science Foundation - NSF	Federal	PI	6/1/2016	3	48.50%	100%	\$460,245	Submitted to Sponsor
		Totals for	<b>Neogi, Arup</b>							<b>\$602,329</b>	
<b>Ordonez, Carlos</b>											
<i>Ordonez, C., Co-PI; Weathers, D., PI; Physics</i>											
16-0064 Proposal: New	Plasma-Facing Artificially Structured Boundary	Research - Basic	National Science Foundation - NSF	Federal	Co-PI	9/1/2016	3	48.00%	50%	\$162,000	Submitted to Sponsor
		Totals for	<b>Ordonez, Carlos</b>							<b>\$162,000</b>	
<b>Perez, Jose</b>											
<i>Perez, J., Co-PI; Physics; Brostow, W., PI; Young, M., Co-PI; Materials Science &amp; Engineering</i>											
16-0149 Proposal: New	NSF/DMR-BSF: Increasing the usability of nickel-titanium alloys for biomedical applications	Research - Applied	National Science Foundation - NSF	Federal	Co-PI	6/1/2016	3	48.50%	30%	\$156,800	Submitted to Sponsor
		Totals for	<b>Perez, Jose</b>							<b>\$156,800</b>	
<b>Philipose, Usha</b>											
<i>Philipose, U., Co-PI; Neogi, A., PI; Krokhin, A., Co-PI; Physics</i>											
16-0131 Proposal: New	Role of plasmonic resonance and Coulomb interactions in modification of light emitted by low-dimensional semiconductors	Research - Applied	National Science Foundation - NSF	Federal	Co-PI	6/1/2016	2	48.50%	30%	\$106,563	Submitted to Sponsor
		Totals for	<b>Philipose, Usha</b>							<b>\$106,563</b>	
<b>Reinert, Tilo</b>											
16-0105 Proposal: Resubmissio	Preoptic Outflow to Copulatory Motor Loci: Impact of BPA	Research - Basic	University of Louisiana at Monroe	Federal Flow Thru	Co-PI	4/1/2016	2	48.50%	50%	\$52,620	Submitted to Sponsor
		Totals for	<b>Reinert, Tilo</b>							<b>\$52,620</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Shemmer, Ohad</b>											
16-0124 Proposal: New	Collaborative Research: Taking the Long View: Assembling, Measuring, and Analyzing Near-Infrared Spectra to Properly Place High-Redshift Quasars in Perspective	Research - Basic	National Science Foundation - Federal NSF		PI	9/1/2016	3	48.50%	100%	\$245,521	Submitted to Sponsor
		Totals for	<b>Shemmer, Ohad</b>							<b>\$245,521</b>	
<b>Weathers, Duncan</b>											
<i>Weathers, D., PI; Ordonez, C., Co-PI; Physics</i>											
16-0064 Proposal: New	Plasma-Facing Artificially Structured Boundary	Research - Basic	National Science Foundation - Federal NSF		PI	9/1/2016	3	48.00%	50%	\$162,000	Submitted to Sponsor
		Totals for	<b>Weathers, Duncan</b>							<b>\$162,000</b>	
		Totals for	<b>Physics</b>							<b>\$2,544,293</b>	
<b>Psychology</b>											
<b>Hook, Joshua</b>											
16-0111 Proposal: New	Building a Bridge Between Psychology and Church Ministry	Research - Basic	John Templeton Foundation	Foundation	PI	9/1/2016	3	15.00%	100%	\$226,493	Submitted to Sponsor
		Totals for	<b>Hook, Joshua</b>							<b>\$226,493</b>	
<b>Parsons, Thomas</b>											
16-0123 Proposal: New	A Rapid Screen for Brain Injury-Related Alzheimer's Disease and Real World Functional Capacity in Veteran Populations" to the Convergence Science Research (CSRA)	Research - Applied	University of North Texas Health Science at Fort	Federal Flow Thru	PI	9/1/2016	2	48.50%	100%	\$194,596	Submitted to Sponsor
<i>Parsons, T., Co-PI; Psychology; Takabi, H., PI; Computer Science &amp; Engineering</i>											
16-0180 Proposal: New	TWC SBE: Small: Inside the Mind of the Insider: A Proactive Comprehensive Multi-Modal Information Fusion Framework for Insider Threat Detection and Prevention	Research - Development	National Science Foundation - Federal NSF		Co-PI	6/1/2016	3	48.50%	30%	\$149,799	Submitted to Sponsor
		Totals for	<b>Parsons, Thomas</b>							<b>\$344,395</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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**Petrie, Trent**

16-0162 Proposal: New	Implementation and Evaluation of The Female Body (FAB) Project: "Bodies in Motion"	Research - Basic	West Virginia University	Not for Profit Flow Thru	PI	3/1/2016	0	0.00%	100%	\$5,388	Submitted to Sponsor
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Totals for **Petrie, Trent** **\$5,388**

Totals for **Psychology** **\$576,276**

Totals for **College of Arts & Sciences** **\$8,813,768**

**College of Education**

**Autism Center**

**Callahan, Kevin**

16-0195 Proposal: Supplement	Evaluation of the Innovative Services	Public Service	Texas Department of Assistive State of TX and Rehabilitative S		PI	12/1/2015	1	15.00%	100%	\$45,368	Funded
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Totals for **Callahan, Kevin** **\$45,368**

Totals for **Autism Center** **\$45,368**

**Counseling & Higher Education**

**Prosek, Elizabeth**

16-0170 Proposal: New	Denton County Veterans Treatment Court Program	Public Service	Denton County Veterans Treatment Court	Local Govt	PI	7/1/2016	1	10.00%	100%	\$44,419	Submitted to Sponsor
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Totals for **Prosek, Elizabeth** **\$44,419**

Totals for **Counseling & Higher Education** **\$44,419**

**Kinesiology, Health Promotion, and Recreation**

**Collins, John**

*Collins, J., PI; Martin, S., Co-PI; Kinesiology, Health Promotion, and Recreation*

16-0169 Proposal: New	GIRLS IN THE GAME UNIVERSITY PARTNERSHIP- TEEN SQUAD	Public Service	Girls in the Game	Not for Profit	PI	10/1/2016	1	10.00%	50%	\$5,400	Funded
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Totals for **Collins, John** **\$5,400**

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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**Martin, Scott**

*Martin, S., Co-PI; Collins, J., PI; Kinesiology, Health Promotion, and Recreation*

16-0169 Proposal: New	GIRLS IN THE GAME UNIVERSITY PARTNERSHIP- TEEN SQUAD	Public Service	Girls in the Game	Not for Profit	Co-PI	10/1/2016	1	10.00%	50%	\$5,400	Funded
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Totals for **Martin, Scott** **\$5,400**

Totals for **Kinesiology, Health Promotion, and Recreation** **\$10,800**

Totals for **College of Education** **\$100,587**

**College of Engineering**

**Computer Science & Engineering**

**Akl, Robert**

16-0157 Proposal: New	Robotics, Game and App Programming Summer Camps	Instruction	Texas Workforce Commission	Federal Flow Thru	PI	3/1/2016	0	5.00%	100%	\$63,000	Submitted to Sponsor
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Totals for **Akl, Robert** **\$63,000**

**Blanco Villar, Eduardo**

16-0176 Proposal: New	RI: Small: Revealing Positive Interpretations from Negated Statements	Research - Basic	National Science Foundation - Federal NSF		PI	8/1/2016	3	48.50%	100%	\$496,852	Submitted to Sponsor
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Totals for **Blanco Villar, Eduardo** **\$496,852**

**Buckles, Bill**

*Buckles, B., Co-PI; Computer Science & Engineering; Namuduri, K., PI; Varanasi, M., Co-PI; Electrical Engineering*

16-0182 Proposal: New	CIF: Small: Belief Propagation-Inspired Strategies For Distributed Consensus-Building And Decision-Making	Research - Applied	National Science Foundation - Federal NSF		Co-PI	6/1/2016	3	48.50%	33.33%	\$166,640	Withdrawn
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Totals for **Buckles, Bill** **\$166,640**

**Do, Hyunsook**

16-0178 Proposal: New	III: Small: Collaborative Research: Improving software engineering activities using data mining approaches	Research - Applied	National Science Foundation - Federal NSF		PI	9/1/2016	3	48.50%	100%	\$270,000	Submitted to Sponsor
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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>Do, Hyunsook</b>							<b>\$270,000</b>	
<b>Fu, Song</b>											
16-0153 Proposal: Resubmissio	CSR: Small: Collaborative Research: ExtraPower: Unleashing Trapped Power Capacity for Enhanced Utilization of HPC Systems	Research - Applied	National Science Foundation - Federal NSF		PI	8/1/2016	3	48.50%	100%	\$246,592	Submitted to Sponsor
		Totals for	<b>Fu, Song</b>							<b>\$246,592</b>	
<b>Kavi, Krishna</b>											
16-0159 Proposal: New	CSR: Small: Capitalizing on hybrid memory systems: Study of organizations, page placement and migration policies.	Research - Basic	National Science Foundation - Federal NSF		PI	6/1/2016	3	48.50%	100%	\$490,028	Submitted to Sponsor
16-0164 Proposal: New	SHF: Small: Conventional and unconventional architecture for Processing-in-Memory	Research - Basic	National Science Foundation - Federal NSF		PI	6/1/2016	3	48.50%	100%	\$483,152	Submitted to Sponsor
		Totals for	<b>Kavi, Krishna</b>							<b>\$973,180</b>	
<b>Takabi, Hassan</b>											
16-0168 Proposal: New	TWC: Small: A Formal Framework for Specification and Prediction of the Unintentional Insider Threat (UIT)	Research - Applied	National Science Foundation - Federal NSF		PI	6/1/2016	3	48.50%	100%	\$499,981	Submitted to Sponsor
<i>Takabi, H., PI; Computer Science &amp; Engineering; Parsons, T., Co-PI; Psychology</i>											
16-0180 Proposal: New	TWC SBE: Small: Inside the Mind of the Insider: A Proactive Comprehensive Multi-Modal Information Fusion Framework for Insider Threat Detection and Prevention	Research - Development	National Science Foundation - Federal NSF		PI	6/1/2016	3	48.50%	70%	\$349,530	Submitted to Sponsor
		Totals for	<b>Takabi, Hassan</b>							<b>\$849,511</b>	
<b>Yuan, Xiaohui</b>											
16-0016 Proposal: New	Collaborative Research: Integrating Synchronous Sessions in Online Classes to Foster Student Collaboration and Improve Engagement	Research - Applied	National Science Foundation - Federal NSF		PI	9/1/2016	2	48.50%	100%	\$210,255	Submitted to Sponsor

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
		Totals for	<b>Yuan, Xiaohui</b>							<b>\$210,255</b>	
		Totals for	<b>Computer Science &amp; Engineering</b>					<b>\$3,276,031</b>			

### **Electrical Engineering**

#### **Guturu, Parthasarathy**

16-0183 Proposal: New	III: Small: A Secure and Scalable Framework for Massive Multi-Dimensional Information Integration	Research - Applied	National Science Foundation - Federal NSF		PI	9/1/2016	3	48.50%	100%	\$479,336	Submitted to Sponsor
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Totals for **Guturu, Parthasarathy** **\$479,336**

#### **Mehta, Gayatri**

16-0148 Proposal: New	Game-like Interactive Design Environments for Revitalizing Electronic Design Automation Education	Research - Applied	National Science Foundation - Federal NSF		PI	9/1/2016	3	48.50%	100%	\$292,854	Submitted to Sponsor
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16-0179 Proposal: New	SHF: Small: Visual Architectures: Engaging Crowds in Design and Discovery for Custom Reconfigurable Devices	Research - Development	National Science Foundation - Federal NSF		PI	9/1/2016	3	48.50%	100%	\$450,208	Submitted to Sponsor
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Totals for **Mehta, Gayatri** **\$743,062**

#### **Namuduri, Kameswara Rao**

*Namuduri, K., PI; Varanasi, M., Co-PI; Electrical Engineering; Buckles, B., Co-PI; Computer Science & Engineering*

16-0182 Proposal: New	CI: Small: Belief Propagation-Inspired Strategies For Distributed Consensus-Building And Decision-Making	Research - Applied	National Science Foundation - Federal NSF		PI	6/1/2016	3	48.50%	33.34%	\$166,690	Withdrawn
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Totals for **Namuduri, Kameswara Rao** **\$166,690**

#### **Varanasi, Murali**

*Varanasi, M., Co-PI; Namuduri, K., PI; Electrical Engineering; Buckles, B., Co-PI; Computer Science & Engineering*

16-0182 Proposal: New	CI: Small: Belief Propagation-Inspired Strategies For Distributed Consensus-Building And Decision-Making	Research - Applied	National Science Foundation - Federal NSF		Co-PI	6/1/2016	3	48.50%	33.33%	\$166,640	Withdrawn
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Totals for **Varanasi, Murali** **\$166,640**

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Wan, Yan</b>											
16-0173 Proposal: New	TWC: Small: Collaborative: Secure and Efficient Vehicular Transportation Critical Infrastructure	Research - Basic	National Science Foundation - Federal NSF		PI	9/1/2016	3	48.50%	100%	\$120,000	Submitted to Sponsor
		Totals for	<b>Wan, Yan</b>							<b>\$120,000</b>	
		Totals for	<b>Electrical Engineering</b>							<b>\$1,675,729</b>	

### Engineering Technology

#### Mirshams, Reza

*Mirshams, R., Co-PI; Engineering Technology; Wang, Z., PI; Materials Science & Engineering*

16-0139 Proposal: New	Computational Modeling and Experimental Investigation of Microscale Deformation Mechanisms in Pure Ti During Nanoindentation	Research - Applied	National Science Foundation - Federal NSF		Co-PI	9/1/2016	3	48.50%	50%	\$195,658	Submitted to Sponsor
		Totals for	<b>Mirshams, Reza</b>							<b>\$195,658</b>	

#### Zhang, Haifeng

16-0147 Proposal: New	Collaborative Research: All Optically Driven Piezoelectric Resonant Sensors	Research - Applied	National Science Foundation - Federal NSF		PI	7/1/2016	3	48.50%	100%	\$208,196	Submitted to Sponsor
16-0156 Proposal: New	GOALI: Collaborative Research: A new mechanism to enhance Q factor and reduce activity dip of quartz crystal resonators	Research - Applied	National Science Foundation - Federal NSF		PI	7/1/2016	3	48.50%	100%	\$199,979	Submitted to Sponsor
		Totals for	<b>Zhang, Haifeng</b>							<b>\$408,175</b>	
		Totals for	<b>Engineering Technology</b>							<b>\$603,833</b>	

### Materials Science & Engineering

#### Aouadi, Samir

*Aouadi, S., PI; Scharf, T., Co-PI; Materials Science & Engineering; Aouadi, S., Co-PI; Physics*

16-0193 Proposal: Resubmissio	Computational and Experimental Investigation to Understand Deformation Mechanisms in Self-Healing Oxides	Research - Basic	U.S. Department of Energy - DOE	Federal	PI	7/1/2016	3	48.50%	40%	\$271,014	Submitted to Sponsor
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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>Aouadi, Samir</b>							<b>\$271,014</b>	
<b>Banerjee, Rajarshi</b>											
16-0155 Proposal: New	Collaborative Research: Factors Influencing Refined Intragranular Precipitation in Metastable Beta Titanium Alloys	Research - Applied	National Science Foundation - NSF	Federal	PI	9/1/2016	3	48.50%	100%	\$270,953	Submitted to Sponsor
16-0166 Proposal: Supplement	DARPA Open Manufacturing tiFAB-Phase II	Research - Applied	The Boeing Company	Federal Flow Thru	PI	11/1/2015	1	48.50%	100%	\$100,000	Submitted to Sponsor
		Totals for	<b>Banerjee, Rajarshi</b>							<b>\$370,953</b>	
<b>Brostow, Witold</b>											
<i>Brostow, W., PI; Young, M., Co-PI; Materials Science &amp; Engineering; Perez, J., Co-PI; Physics</i>											
16-0149 Proposal: New	NSF/DMR-BSF: Increasing the usability of nickel-titanium alloys for biomedical applications	Research - Applied	National Science Foundation - NSF	Federal	PI	6/1/2016	3	48.50%	40%	\$209,067	Submitted to Sponsor
		Totals for	<b>Brostow, Witold</b>							<b>\$209,067</b>	
<b>Mishra, Rajiv</b>											
<i>Mishra, R., PI; Mukherjee, S., Co-PI; Materials Science &amp; Engineering</i>											
16-0144 Proposal: Resubmissio	Temperature dependent deformation mechanisms in thermally stable immiscible nanostructured alloys	Research - Applied	National Science Foundation - NSF	Federal	PI	9/1/2016	3	48.50%	50%	\$178,518	Submitted to Sponsor
16-0192 Proposal: Supplement	IUCRC Renewal Proposal: NSF IUCRC for Friction Stir Processing	Student Support	National Science Foundation - NSF	Federal	PI	12/1/2015	1	48.50%	100%	\$10,000	Submitted to Sponsor
		Totals for	<b>Mishra, Rajiv</b>							<b>\$188,518</b>	
<b>Mukherjee, Sundeep</b>											
<i>Mukherjee, S., Co-PI; Mishra, R., PI; Materials Science &amp; Engineering</i>											
16-0144 Proposal: Resubmissio	Temperature dependent deformation mechanisms in thermally stable immiscible nanostructured alloys	Research - Applied	National Science Foundation - NSF	Federal	Co-PI	9/1/2016	3	48.50%	50%	\$178,518	Submitted to Sponsor

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status	
		Totals for	<b>Mukherjee, Sundeep</b>								<b>\$178,518</b>	
<b>Scharf, Thomas</b>												
<i>Scharf, T., Co-PI; Aouadi, S., PI; Materials Science &amp; Engineering; Aouadi, S., Co-PI; Physics</i>												
16-0193 Proposal: Resubmissio	Computational and Experimental Investigation to Understand Deformation Mechanisms in Self-Healing Oxides	Research - Basic	U.S. Department of Energy - DOE	Federal	Co-PI	7/1/2016	3	48.50%	50%	\$338,768	Submitted to Sponsor	
		Totals for	<b>Scharf, Thomas</b>								<b>\$338,768</b>	
<b>Wang, Zhiqiang</b>												
<i>Wang, Z., PI; Materials Science &amp; Engineering; Mirshams, R., Co-PI; Engineering Technology</i>												
16-0139 Proposal: New	Computational Modeling and Experimental Investigation of Microscale Deformation Mechanisms in Pure Ti During Nanoindentation	Research - Applied	National Science Foundation - NSF	Federal	PI	9/1/2016	3	48.50%	50%	\$195,658	Submitted to Sponsor	
		Totals for	<b>Wang, Zhiqiang</b>								<b>\$195,658</b>	
<b>Young, Marcus</b>												
<i>Young, M., Co-PI; Brostow, W., PI; Materials Science &amp; Engineering; Perez, J., Co-PI; Physics</i>												
16-0149 Proposal: New	NSF/DMR-BSF: Increasing the usability of nickel-titanium alloys for biomedical applications	Research - Applied	National Science Foundation - NSF	Federal	Co-PI	6/1/2016	3	48.50%	30%	\$156,800	Submitted to Sponsor	
		Totals for	<b>Young, Marcus</b>								<b>\$156,800</b>	
		Totals for	<b>Materials Science &amp; Engineering</b>								<b>\$1,909,296</b>	
<b>Mechanical &amp; Energy Engineering</b>												
<b>Horne, Kyle</b>												
16-0181 Proposal: New	Rigorous Quantification of Error and Uncertainty in Molecular Dynamics Simulation	Research - Basic	U.S. Department of Energy - DOE	Federal	PI	8/1/2016	5	48.50%	100%	\$740,992	Withdrawn	
		Totals for	<b>Horne, Kyle</b>								<b>\$740,992</b>	
		Totals for	<b>Mechanical &amp; Energy Engineering</b>								<b>\$740,992</b>	
		Totals for	<b>College of Engineering</b>								<b>\$8,205,880</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 Information</b>											
<b>Learning Technologies</b>											
<b>Christensen, Rhonda</b>											
<i>Christensen, R., PI; Knezek, G., Co-PI; Tyler-Wood, T., Co-PI; Learning Technologies</i>											
16-0163 Proposal: New	Mobile Adventure Pathways for Engaged Learning (MAPs for Learning)	Research - Basic	National Science Foundation - Federal NSF		PI	8/1/2016	4	48.50%	34%	\$929,299	Submitted to Sponsor
		Totals for	<b>Christensen, Rhonda</b>							<b>\$929,299</b>	
<b>Knezek, Gerald</b>											
<i>Knezek, G., Co-PI; Christensen, R., PI; Tyler-Wood, T., Co-PI; Learning Technologies</i>											
16-0163 Proposal: New	Mobile Adventure Pathways for Engaged Learning (MAPs for Learning)	Research - Basic	National Science Foundation - Federal NSF		Co-PI	8/1/2016	4	48.50%	33%	\$901,967	Submitted to Sponsor
		Totals for	<b>Knezek, Gerald</b>							<b>\$901,967</b>	
<b>Spector, Jonathan</b>											
16-0209 Proposal: New	Building Cyberlearning Research Programs: An Early Career Workshop	Conference	National Science Foundation - Federal NSF		PI	2/15/2016	1	48.50%	100%	\$21,854	Submitted to Sponsor
		Totals for	<b>Spector, Jonathan</b>							<b>\$21,854</b>	
<b>Tyler-Wood, Tandra</b>											
<i>Tyler-Wood, T., Co-PI; Christensen, R., PI; Knezek, G., Co-PI; Learning Technologies</i>											
16-0163 Proposal: New	Mobile Adventure Pathways for Engaged Learning (MAPs for Learning)	Research - Basic	National Science Foundation - Federal NSF		Co-PI	8/1/2016	4	48.50%	33%	\$901,967	Submitted to Sponsor
		Totals for	<b>Tyler-Wood, Tandra</b>							<b>\$901,967</b>	
		Totals for	<b>Learning Technologies</b>							<b>\$2,755,087</b>	
		Totals for	<b>College of Information</b>							<b>\$2,755,087</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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*Mayborn School of Journalism*

*Journalism - Deans Office*

**Bland, Dorothy**

16-0057 Proposal: New	Denton Live Magazine Workshop	Public Service	Denton Convention and Visitors Bureau	Local Govt	PI	1/16/2016	1	0.00%	100%	\$36,000	Funded
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Totals for	<b>Bland, Dorothy</b>									<b>\$36,000</b>	
Totals for	<b>Journalism - Deans Office</b>									<b>\$36,000</b>	
Totals for	<b>Mayborn School of Journalism</b>									<b>\$36,000</b>	
Totals for	<b>UNT</b>									<b>\$19,911,321</b>	
<b>Totals for</b>	<b>November FY2016:</b>									<b>\$19,911,321</b>	