

**Monthly Proposals Report for August 2020**  
**Office of Grants and Contracts, University of North Texas**

<b>Proposals Total by College</b>	<b>August 2019</b>	<b>August 2020</b>	<b>YTD FY2019</b>	<b>YTD FY2020</b>
College of Arts and Sciences	\$ -	\$ -	\$ -	\$ -
College of Business	\$ 1,690,360.44	\$ 1,105,572.00	\$ 2,629,629.24	\$ 2,482,932.34
College of Education	\$ 1,923,205.00	\$ 814,675.50	\$ 7,755,860.23	\$ 13,869,933.72
College of Engineering	\$ 2,016,968.24	\$ 13,942,306.77	\$ 91,998,174.90	\$ 87,626,714.32
College of Health & Public Service (prev. PACS)	\$ 1,155,307.00	\$ 1,960,371.73	\$ 14,300,001.42	\$ 15,424,269.40
College of Information	\$ -	\$ 4,443,773.70	\$ 20,239,971.35	\$ 13,386,582.68
College of Liberal Arts & Social Sciences	\$ 294,880.50	\$ 1,460,442.50	\$ 11,248,512.90	\$ 8,763,045.25
College of Merchandising Hospitality and Tourism	\$ -	\$ 243,942.00	\$ 534,947.95	\$ 1,175,119.34
College of Music	\$ -	\$ 0	\$ 1,578,396.00	\$ 704,081.63
College of Science	\$ 5,055,503.13	\$ 7,843,121.11	\$ 52,358,066.50	\$ 53,099,993.65
College of Visual Arts and Design	\$ -	\$ -	\$ 1,188,333.25	\$ 1,937,115.42
School of Journalism	\$ -	\$ -	\$ 169,882.06	\$ 379,521.63
Other <sup>1</sup>	\$ 1,591,273.40	\$ 323,695.50	\$ 25,044,637.64	\$ 15,116,420.22
<b>Grand Total:</b>	<b>\$13,727,498</b>	<b>\$32,137,901</b>	<b>\$229,046,413</b>	<b>\$213,965,730</b>

**Proposals Total by Category**

Instruction	\$ 1,257,865.00	\$ -	\$ 8,908,971.44	\$ 4,633,409
Public Service	\$ 289,369.40	\$ 257,172	\$ 4,970,979.99	\$ 17,859,458
Research (Applied, Basic, Development)	\$ 12,180,263.31	\$ 31,805,729	\$ 214,282,591.61	\$ 191,352,412
Other <sup>2</sup>	\$ -	\$ 75,000	\$ 883,870.40	\$ 120,451
<b>Grand Total:</b>	<b>\$13,727,498</b>	<b>\$32,137,901</b>	<b>\$229,046,413</b>	<b>\$213,965,730</b>

**Proposals Total by Source of Funding**

Federal	\$ 10,244,715.96	\$ 30,378,169.02	\$ 202,145,991.35	\$ 190,312,383
Private	\$ 1,760,601.31	\$ 1,735,599.78	\$ 19,629,410.65	\$ 19,857,664
State	\$ 1,722,180.44	\$ 24,132.00	\$ 7,271,011.44	\$ 3,795,683
<b>Grand Total:</b>	<b>\$13,727,498</b>	<b>\$32,137,901</b>	<b>\$229,046,413</b>	<b>\$213,965,730</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, Outreach & Community Involvement, and Research & Innovation

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, August FY2020

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>UNT</b>											
<b>College of Education</b>											
<b>Educational Psychology</b>											
<b>Langlais, Michael</b>											
20-0666 Proposal: New	CAREER: Current Trends in Adolescent Romantic Relationships and their Implications for Adolescent Development	Research - Applied	National Science Foundation - Federal NSF		PI	8/1/2021	4.91	48.50%	100%	\$442,479	Pending
		Totals for	<b>Langlais, Michael</b>							<b>\$442,479</b>	
		Totals for	<b>Educational Psychology</b>							<b>\$442,479</b>	
<b>Kinesiology, Hlth Promo, &amp; Rec</b>											
<b>Anderson, Austin</b>											
20-0632 Proposal: Transfer (PI)	Impact of LGBTQ Diversity Training on Attitudes and Competencies of Collegiate Recreation Employees	Research - Applied	National Intramural and Recreational Sports Association (NIRSA)	Not for Profit	PI	8/1/2020	1.33	0.00%	100%	\$3,670	Awarded
		Totals for	<b>Anderson, Austin</b>							<b>\$3,670</b>	
<b>Keller, M</b>											
20-0745 Proposal: Supplement	North Texas Pathway Project/TXLAN	Research - Applied	Texas Higher Education Coordinating Board - THECB	State of TX	PI	9/1/2020	0.91	0.00%	100%	\$6,300	Awarded
		Totals for	<b>Keller, M</b>							<b>\$6,300</b>	
		Totals for	<b>Kinesiology, Hlth Promo, &amp; Rec</b>							<b>\$9,970</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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**Teacher Education & Admin**

**Eutsler, Lauren**

*Eutsler, L. , Co-PI; Teacher Education & Admin; Parsons, T. , Co-PI; Lin, L. , PI; Learning Technologies; Naresh, N. , Co-PI; Mathematics*

20-0726 Proposal: New	Collaborative Research: Developing and Testing Innovations (DTI): Executive Functions, Community Involvement, & Technology Enhancements in Mathematical Learning (EXCITE Math)	Research - Applied	National Science Foundation - Federal NSF		Co-PI	6/1/2021	3.91	26.00%	25%	\$362,227	Pending
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Totals for **Eutsler, Lauren** **\$362,227**

Totals for **Teacher Education & Admin** **\$362,227**

Totals for **College of Education** **\$814,676**

**College of Engineering**

**Biomedical Engineering**

**Albert, Mark**

*Albert, M. , Co-PI; Biomedical Engineering; Albert, M. , PI; Computer Science & Engineering*

20-0547 Proposal: New	CAREER: Wearable sensor embeddings for precision activity and gesture recognition across clinical populations, contexts, and individuals	Research - Applied	National Science Foundation - Federal NSF		Co-PI	9/1/2021	4.91	48.50%	10%	\$40,028	Pending
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*Albert, M. , Co-PI; Biomedical Engineering; Albert, M. , Co-PI; Zhao, H. , PI; Computer Science & Engineering*

20-0723 Proposal: New	REU Site: Interdisciplinary Research Experience on Accelerated Deep Learning through A Hardware-Software Collaborative Approach	Research - Basic	National Science Foundation - Federal NSF		Co-PI	1/1/2021	2.91	48.50%	4%	\$15,589	Pending
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Totals for **Albert, Mark** **\$55,617**

**Meckes, Brian**

20-0521 Proposal: New	Modulating the 3D Connectivity of Cells with Single Cell Precision for the Creation of Stem Cell Niches	Research - Basic	National Science Foundation - Federal NSF		PI	4/15/2021	3	48.50%	100%	\$301,295	Pending
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Totals for **Meckes, Brian** **\$301,295**

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Yang, Yong</b>											
20-0724 Proposal: New	Dynamic human lung alveolus chips to study SARS-CoV-2 infection	Research - Applied	National Institutes of Health - NIH	Federal	PI	11/1/2020	1.91	48.50%	100%	\$419,931	Pending
		Totals for	<b>Yang, Yong</b>							<b>\$419,931</b>	
		Totals for	<b>Biomedical Engineering</b>							<b>\$776,843</b>	

### Computer Science & Engineering

#### Albert, Mark

*Albert, M. , PI; Computer Science & Engineering; Albert, M. , Co-PI; Biomedical Engineering*

20-0547 Proposal: New	CAREER: Wearable sensor embeddings for precision activity and gesture recognition across clinical populations, contexts, and individuals	Research - Applied	National Science Foundation - NSF	Federal	PI	9/1/2021	4.91	48.50%	90%	\$360,248	Pending
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*Albert, M. , Co-PI; Zhao, H. , PI; Computer Science & Engineering; Albert, M. , Co-PI; Biomedical Engineering*

20-0723 Proposal: New	REU Site: Interdisciplinary Research Experience on Accelerated Deep Learning through A Hardware-Software Collaborative Approach	Research - Basic	National Science Foundation - NSF	Federal	Co-PI	1/1/2021	2.91	48.50%	36%	\$140,301	Pending
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Totals for **Albert, Mark** **\$500,549**

#### Bryce, Renee

20-0744 Proposal: New	REU Site: TaMaLe - Testing and Machine Learning for Context-Driven Systems: Research Experience for Undergraduates	Research - Basic	National Science Foundation - NSF	Federal	PI	1/1/2021	2.91	48.50%	100%	\$404,999	Pending
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Totals for **Bryce, Renee** **\$404,999**

#### Buckles, Bill

*uckles, B. , Co-PI; Ludi, S. , Co-PI; Computer Science & Engineering; Namuduri, K. , PI; Electrical Engineering*

19-0576 Proposal: New	Mind's Eye: Exploring Mental Models for Navigation without Vision	Research - Basic	National Science Foundation - NSF	Federal	Co-PI	1/1/2021	2.91	48.50%	33%	\$231,725	Pending
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Totals for **Buckles, Bill** **\$231,725**

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Gulur, Nagendra</b>											
<i>Gulur, N. , PI; Kavi, K. , Co-PI; Computer Science &amp; Engineering; Mehta, G. , Co-PI; Electrical Engineering</i>											
20-0706 Proposal: New	REU Site: Hardware-Software Techniques to Optimize Deep Neural Networks for Low-power Embedded Systems	Research - Basic	National Science Foundation - NSF	Federal Flow Thru	PI	2/1/2021	2.91	48.50%	40%	\$161,999	Pending
		Totals for	<b>Gulur, Nagendra</b>							<b>\$161,999</b>	
<b>Guo, Xuan</b>											
<i>Guo, X. , Co-PI; Yuan, X. , PI; Computer Science &amp; Engineering</i>											
20-0729 Proposal: New	REU site: Computing with Artificial Intelligence	Research - Basic	National Science Foundation - NSF	Federal	Co-PI	1/1/2021	2.91	48.50%	40%	\$161,997	Pending
		Totals for	<b>Guo, Xuan</b>							<b>\$161,997</b>	
<b>Kavi, Krishna</b>											
<i>Kavi, K. , Co-PI; Gulur, N. , PI; Computer Science &amp; Engineering; Mehta, G. , Co-PI; Electrical Engineering</i>											
20-0706 Proposal: New	REU Site: Hardware-Software Techniques to Optimize Deep Neural Networks for Low-power Embedded Systems	Research - Basic	National Science Foundation - NSF	Federal Flow Thru	Co-PI	2/1/2021	2.91	48.50%	30%	\$121,500	Pending
		Totals for	<b>Kavi, Krishna</b>							<b>\$121,500</b>	
<b>Ludi, Stephanie</b>											
<i>Ludi, S. , Co-PI; Buckles, B. , Co-PI; Computer Science &amp; Engineering; Namuduri, K. , PI; Electrical Engineering</i>											
19-0576 Proposal: New	Mind's Eye: Exploring Mental Models for Navigation without Vision	Research - Basic	National Science Foundation - NSF	Federal	Co-PI	1/1/2021	2.91	48.50%	33%	\$231,725	Pending
<i>Ludi, S. , PI; Computer Science &amp; Engineering; Lin, L. , Co-PI; Learning Technologies</i>											
20-0672 Proposal: Resubmissio	IUSE: Increasing Accessible Design Skills via Participatory Design in a Two-Term Capstone focusing on Developing Software for Special Needs Populations	Research - Applied	National Science Foundation - NSF	Federal	PI	6/1/2021	2.91	48.50%	70%	\$209,726	Pending
		Totals for	<b>Ludi, Stephanie</b>							<b>\$441,451</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>											
20-0671 Proposal: New	IEEE Brain Data Bank Challenge (BDBC) Workshops	Research - Basic	National Institutes of Health - NIH	Federal	PI	2/15/2021	5	0.00%	100%	\$250,297	Pending
			Totals for	<b>Mohanty, Saraju</b>						<b>\$250,297</b>	
<b>Nielsen, Rodney</b>											
<i>Nielsen, R. , Co-PI; Computer Science &amp; Engineering; Huang, Z. , Co-PI; Engineering Technology; Jang, H. , Co-PI; Andrew, S. , Co-PI; Shi, Y. , Co-PI; Hutson, N. , Co-PI; Fischer, L. , PI; Public Administration; Habib, A. , Co-PI; IPACS</i>											
20-0664 Proposal: New	Ride Guide: Smart Complete Trip Solutions for Underserved Communities in Texas	Research - Applied	U.S. Department of Transportation - DOT	Federal	Co-PI	9/30/2020	1	48.50%	15%	\$232,844	Pending
<i>Nielsen, R. , Co-PI; Computer Science &amp; Engineering; Parsons, T. , Co-PI; McMahan, F. , Co-PI; Learning Technologies; Ryals, A. , Co-PI; Psychology; Grigolini, P. , PI; Physics</i>											
20-0740 Proposal: New	Protecting the country from misinformation attacks, especially through bots, using criticality theories	Research - Basic	U.S. Department of Defense - DOD	Federal	Co-PI	12/14/2020	3	48.50%	20%	\$598,477	Pending
			Totals for	<b>Nielsen, Rodney</b>						<b>\$831,321</b>	
<b>Yuan, Xiaohui</b>											
<i>Yuan, X. , PI; Guo, X. , Co-PI; Computer Science &amp; Engineering</i>											
20-0729 Proposal: New	REU site: Computing with Artificial Intelligence	Research - Basic	National Science Foundation - NSF	Federal	PI	1/1/2021	2.91	48.50%	60%	\$242,995	Pending
			Totals for	<b>Yuan, Xiaohui</b>						<b>\$242,995</b>	
<b>Zhao, Hui</b>											
20-0722 Proposal: Resubmissio	CAREER: Reinventing Network-on-Chips for GPU-Accelerated Systems	Research - Basic	National Science Foundation - NSF	Federal	PI	6/1/2021	4.75	48.50%	100%	\$519,038	Pending
<i>Zhao, H. , PI; Albert, M. , Co-PI; Computer Science &amp; Engineering; Albert, M. , Co-PI; Biomedical Engineering</i>											
20-0723 Proposal: New	REU Site: Interdisciplinary Research Experience on Accelerated Deep Learning through A Hardware-Software Collaborative Approach	Research - Basic	National Science Foundation - NSF	Federal	PI	1/1/2021	2.91	48.50%	60%	\$233,835	Pending

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
			Totals for	<b>Zhao, Hui</b>						<b>\$752,873</b>	
			Totals for	<b>Computer Science &amp; Engineering</b>					<b>\$4,101,707</b>		

### Electrical Engineering

#### Mahbub, Ifana

*Mahbub, I. , Co-PI; Electrical Engineering; Choi, W. , Co-PI; Mechanical & Energy Engineer; Choi, W. , PI; Materials Science & Engineer*

20-0773 Proposal: New	Self-powered Wireless Sensors and Interfaces for Unmanned Aerial Vehicles (UAVs)	Research - Applied	U.S. Department of Defense - DOD	Federal	Co-PI	7/20/2021	1	48.53%	40%	\$84,714	Pending
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Totals for **Mahbub, Ifana** **\$84,714**

#### Mehta, Gayatri

*Mehta, G. , Co-PI; Electrical Engineering; Kavi, K. , Co-PI; Gulur, N. , PI; Computer Science & Engineering*

20-0706 Proposal: New	REU Site: Hardware-Software Techniques to Optimize Deep Neural Networks for Low-power Embedded Systems	Research - Basic Applied	National Science Foundation - NSF	Federal Flow Thru	Co-PI	2/1/2021	2.91	48.50%	30%	\$121,500	Pending
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Totals for **Mehta, Gayatri** **\$121,500**

#### Namuduri, Kameswara Rao

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

19-0576 Proposal: New	Mind's Eye: Exploring Mental Models for Navigation without Vision	Research - Basic	National Science Foundation - NSF	Federal	PI	1/1/2021	2.91	48.50%	34%	\$238,747	Pending
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*Namuduri, K. , PI; Electrical Engineering; Andrew, S. , Co-PI; Public Administration; Habib, A. , Co-PI; IPACS*

20-0643 Proposal: New	SCC-CIVIC-PG Track B: Resilient Infrastructure: Drone Assisted Disaster Response, Restoration, and Recovery	Research - Applied	National Science Foundation - NSF	Federal	PI	11/1/2020	0.25	48.50%	50%	\$25,000	Pending
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*Namuduri, K. , Co-PI; Electrical Engineering; Habib, A. , PI; IPACS*

20-0652 Proposal: New	Using Mobility to Change the Food Access Model in Dallas Food Deserts	Research - Applied	National Science Foundation - NSF	Federal	Co-PI	11/1/2020	0.25	48.50%	25%	\$12,499	Pending
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*Namuduri, K. , Co-PI; Electrical Engineering; Zhang, H. , Co-PI; D'Souza, N. , PI; Mechanical & Energy Engineer; D'Souza, N. , Co-PI; Materials Science & Engineer*

20-0746 Proposal: New	SAW and self sensing UAS structural health monitoring	Research - Applied	ResilienX	Federal Flow Thru	Co-PI	1/1/2021	0.41	48.50%	34%	\$18,360	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
20-0748 Proposal: New	OXYGEN: Orb-to-Orb (O2) Air Domain Awareness	Research - Applied	Unmanned Experts Inc.	Federal Flow Thru	PI	1/1/2021	0.41	48.50%	100%	\$45,000	Pending
			Totals for	<b>Namuduri, Kameswara Rao</b>						<b>\$339,606</b>	
<b>Sun, Hua</b>											
20-0570 Proposal: New	CAREER: Fundamental Limits of Cryptographic Primitives Through Network Information Theory	Research - Basic	National Science Foundation - Federal NSF		PI	10/1/2021	4.91	48.50%	100%	\$426,707	Pending
			Totals for	<b>Sun, Hua</b>						<b>\$426,707</b>	
			Totals for	<b>Electrical Engineering</b>						<b>\$972,527</b>	
<b>Engineering - Deans Off</b>											
<b>Voevodin, Andrey</b>											
<i>Voevodin, A. , Co-PI; Engineering - Deans Off; Dahotre, N. , Co-PI; Banerjee, R. , Co-PI; Materials Science &amp; Engineer; Neogi, A. , PI; Physics</i>											
20-0766 Proposal: New	Acquisition of a tunable femtosecond laser amplifier for additive manufacturing and diagnostics	Research - Basic	U.S. Department of Defense - DOD	Federal	Co-PI	7/20/2021	1	0.00%	40%	\$154,434	Pending
			Totals for	<b>Voevodin, Andrey</b>						<b>\$154,434</b>	
			Totals for	<b>Engineering - Deans Off</b>						<b>\$154,434</b>	
<b>Engineering Technology</b>											
<b>Huang, Zhenhua</b>											
<i>Huang, Z. , Co-PI; Engineering Technology; Jang, H. , Co-PI; Andrew, S. , Co-PI; Shi, Y. , Co-PI; Hutson, N. , Co-PI; Fischer, L. , PI; Public Administration; Nielsen, R. , Co-PI; Computer Science &amp; Engineering; Habib, A. , Co-PI; IPACS</i>											
20-0664 Proposal: New	Ride Guide: Smart Complete Trip Solutions for Underserved Communities in Texas	Research - Applied	U.S. Department of Transportation - DOT	Federal	Co-PI	9/30/2020	1	48.50%	5%	\$77,615	Pending



File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<i>Huang, Z. , Co-PI; Manzo, M. , PI; Engineering Technology</i>											
20-0674 Proposal: New	Remote Laboratories Integrating Virtual and Augmented Reality Technology to Support Student Knowledge Acquisition and Skill Development in Mechanical and Civil Engineering Programs	Research - Basic	National Science Foundation - Federal NSF		Co-PI	6/1/2021	2.91	48.50%	50%	\$150,000	Pending
			Totals for	<b>Huang, Zhenhua</b>						<b>\$227,615</b>	
<b>Manzo, Maurizio</b>											
<i>Manzo, M. , PI; Huang, Z. , Co-PI; Engineering Technology</i>											
20-0674 Proposal: New	Remote Laboratories Integrating Virtual and Augmented Reality Technology to Support Student Knowledge Acquisition and Skill Development in Mechanical and Civil Engineering Programs	Research - Basic	National Science Foundation - Federal NSF		PI	6/1/2021	2.91	48.50%	50%	\$150,000	Pending
			Totals for	<b>Manzo, Maurizio</b>						<b>\$150,000</b>	
<b>Yu, Cheng</b>											
20-0759 Proposal: New	Testing of Cold-Formed Steel Framed Shear Walls for FrameCAD	Research - Applied	FRAMECAD America, Inc.	Industry	PI	9/1/2020	0.25	26.00%	100%	\$6,999	Awarded
20-0783 Proposal: Supplement	Analysis of Cold-Formed Steel Framed Shear Walls Sheathed by MegaBoard	Research - Applied	Ectek International Inc.	Foreign	PI	8/25/2020	0.33	26.00%	100%	\$10,501	Awarded
			Totals for	<b>Yu, Cheng</b>						<b>\$17,500</b>	
			Totals for	<b>Engineering Technology</b>						<b>\$395,115</b>	

### **Materials Science & Engineer**

#### **Banerjee, Rajarshi**

*Banerjee, R. , PI; Srivilliputhur, S. , Co-PI; Materials Science & Engineer*

20-0730 Proposal: New	Refractory Multi-Principal Element Alloys for Ultra-High Temperature Applications	Research - Basic	U.S. Department of Energy - DOE	Federal	PI	2/1/2021	3.41	48.50%	60%	\$2,352,413	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>Banerjee, R. , PI; Dahotre, N. , Co-PI; Materials Science &amp; Engineer</i>											
20-0741 Proposal: New	MANUFACTURING PROCESS DEVELOPMENT FOR REFRACTORY MULTIPRINCIPAL ELEMENT ALLOYS	Research - Basic	The Ohio State University	Federal Flow Thru	PI	2/1/2021	3.41	48.50%	50%	\$446,400	Pending
<i>Banerjee, R. , Co-PI; Dahotre, N. , Co-PI; Materials Science &amp; Engineer; Voevodin, A. , Co-PI; Engineering - Deans Off; Neogi, A. , PI; Physics</i>											
20-0766 Proposal: New	Acquisition of a tunable femtosecond laser amplifier for additive manufacturing and diagnostics	Research - Basic	U.S. Department of Defense - DOD	Federal	Co-PI	7/20/2021	1	0.00%	10%	\$38,609	Pending
			Totals for	<b>Banerjee, Rajarshi</b>						<b>\$2,837,422</b>	
<b>Berman, Diana</b>											
20-0716 Proposal: Resubmissio	CAREER: Structural modifications during controlled growth of multicomponent nanoporous ceramic interfaces	Research - Basic	National Science Foundation - NSF	Federal	PI	3/15/2021	5	48.50%	100%	\$499,999	Pending
20-0750 Proposal: New	Brewer Testing	Research - Development	Brewer Science, Inc.	Industry	PI	8/15/2020	1	26.01%	100%	\$901	Awarded
			Totals for	<b>Berman, Diana</b>						<b>\$500,900</b>	
<b>Choi, Wonbong</b>											
<i>Choi, W. , PI; Materials Science &amp; Engineer; Choi, W. , Co-PI; Mechanical &amp; Energy Engineer; Mahbub, I. , Co-PI; Electrical Engineering</i>											
20-0773 Proposal: New	Self-powered Wireless Sensors and Interfaces for Unmanned Aerial Vehicles (UAVs)	Research - Applied	U.S. Department of Defense - DOD	Federal	PI	7/20/2021	1	48.53%	50%	\$105,893	Pending
			Totals for	<b>Choi, Wonbong</b>						<b>\$105,893</b>	
<b>Dahotre, Narendra</b>											
<i>Dahotre, N. , Co-PI; Banerjee, R. , PI; Materials Science &amp; Engineer</i>											
20-0741 Proposal: New	MANUFACTURING PROCESS DEVELOPMENT FOR REFRACTORY MULTIPRINCIPAL ELEMENT ALLOYS	Research - Basic	The Ohio State University	Federal Flow Thru	Co-PI	2/1/2021	3.41	48.50%	50%	\$446,400	Pending

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<i>Dahotre, N. , Co-PI; Banerjee, R. , Co-PI; Materials Science &amp; Engineer; Voevodin, A. , Co-PI; Engineering - Deans Off; Neogi, A. , PI; Physics</i>											
20-0766 Proposal: New	Acquisition of a tunable femtosecond laser amplifier for additive manufacturing and diagnostics	Research - Basic	U.S. Department of Defense - DOD	Federal	Co-PI	7/20/2021	1	0.00%	10%	\$38,609	Pending
		Totals for	<b>Dahotre, Narendra</b>							<b>\$485,008</b>	
<b>D'Souza, Nandika</b>											
<i>D'Souza, N. , Co-PI; Materials Science &amp; Engineer; Zhang, H. , Co-PI; D'Souza, N. , PI; Mechanical &amp; Energy Engineer; Namuduri, K. , Co-PI; Electrical Engineering</i>											
20-0746 Proposal: New	SAW and self sensing UAS structural health monitoring	Research - Applied	ResilienX	Federal Flow Thru	Co-PI	1/1/2021	0.41	48.50%	6.6%	\$3,564	Pending
		Totals for	<b>D'Souza, Nandika</b>							<b>\$3,564</b>	
<b>Srivilliputhur, Srinivasan</b>											
<i>Srivilliputhur, S. , Co-PI; Banerjee, R. , PI; Materials Science &amp; Engineer</i>											
20-0730 Proposal: New	Refractory Multi-Principal Element Alloys for Ultra-High Temperature Applications	Research - Basic	U.S. Department of Energy - DOE	Federal	Co-PI	2/1/2021	3.41	48.50%	40%	\$1,568,276	Pending
		Totals for	<b>Srivilliputhur, Srinivasan</b>							<b>\$1,568,276</b>	
<b>Voevodin, Andrey</b>											
20-0743 Proposal: New	The Science of Superhard and Ultrastable Materials (SCISUM)	Research - Basic	Pennsylvania State University	Federal Flow Thru	PI	5/1/2021	4.91	48.50%	100%	\$1,339,985	Pending
		Totals for	<b>Voevodin, Andrey</b>							<b>\$1,339,985</b>	
		Totals for	<b>Materials Science &amp; Engineer</b>							<b>\$6,841,047</b>	
<b>Mechanical &amp; Energy Engineer</b>											
<b>Choi, Tae-Youl</b>											
<i>Choi, T. , PI; Sadat Hosseini, S. , Co-PI; Mechanical &amp; Energy Engineer</i>											
20-0505 Proposal: New	Development of endoscope based lidocaine dispensing system	Research - Applied	DUALAMS, Inc.	Federal Flow Thru	PI	2/1/2021	0.91	48.50%	50%	\$60,056	Pending
		Totals for	<b>Choi, Tae-Youl</b>							<b>\$60,056</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Choi, Wonbong</b>											
<i>Choi, W. , Co-PI; Mechanical &amp; Energy Engineer; Mahbub, I. , Co-PI; Electrical Engineering; Choi, W. , PI; Materials Science &amp; Engineer</i>											
20-0773 Proposal: New	Self-powered Wireless Sensors and Interfaces for Unmanned Aerial Vehicles (UAVs)	Research - Applied	U.S. Department of Defense - DOD	Federal	Co-PI	7/20/2021	1	48.53%	10%	\$21,179	Pending
Totals for			<b>Choi, Wonbong</b>							<b>\$21,179</b>	
<b>D'Souza, Nandika</b>											
<i>D'Souza, N. , PI; Zhang, H. , Co-PI; Mechanical &amp; Energy Engineer; Namuduri, K. , Co-PI; Electrical Engineering; D'Souza, N. , Co-PI; Materials Science &amp; Engineer</i>											
20-0746 Proposal: New	SAW and self sensing UAS structural health monitoring	Research - Applied	ResilienX	Federal Flow Thru	PI	1/1/2021	0.41	48.50%	26.4%	\$14,256	Pending
Totals for			<b>D'Souza, Nandika</b>							<b>\$14,256</b>	
<b>Sadat Hosseini, Seyed Hamid</b>											
<i>Sadat Hosseini, S. , Co-PI; Choi, T. , PI; Mechanical &amp; Energy Engineer</i>											
20-0505 Proposal: New	Development of endoscope based lidocaine dispensing system	Research - Applied	DUALAMS, Inc.	Federal Flow Thru	Co-PI	2/1/2021	0.91	48.50%	50%	\$60,056	Pending
20-0739 Proposal: New	CAREER: Towards Understanding the Role of Bio-Transport Processes on Fluid-Structure Interaction: Aortic Valve Calcification	Research - Basic	National Science Foundation - NSF	Federal	PI	1/15/2021	5	48.50%	100%	\$527,269	Pending
Totals for			<b>Sadat Hosseini, Seyed Hamid</b>							<b>\$587,325</b>	
<b>Zhang, Haifeng</b>											
<i>Zhang, H. , Co-PI; D'Souza, N. , PI; Mechanical &amp; Energy Engineer; Namuduri, K. , Co-PI; Electrical Engineering; D'Souza, N. , Co-PI; Materials Science &amp; Engineer</i>											
20-0746 Proposal: New	SAW and self sensing UAS structural health monitoring	Research - Applied	ResilienX	Federal Flow Thru	Co-PI	1/1/2021	0.41	48.50%	33%	\$17,820	Pending
Totals for			<b>Zhang, Haifeng</b>							<b>\$17,820</b>	
Totals for			<b>Mechanical &amp; Energy Engineer</b>							<b>\$700,634</b>	
Totals for			<b>College of Engineering</b>							<b>\$13,942,307</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 Health & Public Service**

**Audiology & Speech - Lang Path**

**Aoyama, Katsura**

*Aoyama, K. , PI; Miller, S. , Co-PI; Audiology & Speech - Lang Path*

20-0634 Proposal: New	Phonetic category formation in second language speech acquisition: Neural, perceptual, and acoustic analyses	Research - Basic	National Science Foundation - Federal NSF		PI	2/1/2021	2.91	48.50%	60%	\$297,450	Pending
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Totals for **Aoyama, Katsura** **\$297,450**

**Miller, Sharon**

*Miller, S. , Co-PI; Aoyama, K. , PI; Audiology & Speech - Lang Path*

20-0634 Proposal: New	Phonetic category formation in second language speech acquisition: Neural, perceptual, and acoustic analyses	Research - Basic	National Science Foundation - Federal NSF		Co-PI	2/1/2021	2.91	48.50%	40%	\$198,300	Pending
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Totals for **Miller, Sharon** **\$198,300**

Totals for **Audiology & Speech - Lang Path** **\$495,751**

**Emergency Mgmt & Disaster Science**

**Wu, Hao-che**

20-0791 Proposal: New	RAPID: Understanding Evacuation, Sheltering, and Reentry decisions during the Dual Threat of Hurricane and the COVID-19 Pandemic	Research - Basic	National Science Foundation - Federal NSF		PI	9/15/2020	1	48.50%	100%	\$90,515	Pending
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Totals for **Wu, Hao-che** **\$90,515**

Totals for **Emergency Mgmt & Disaster Science** **\$90,515**

**Public Administration**

**Andrew, Simon**

*Andrew, S. , Co-PI; Public Administration; Habib, A. , Co-PI; IPACS; Namuduri, K. , PI; Electrical Engineering*

20-0643 Proposal: New	SCC-CIVIC-PG Track B: Resilient Infrastructure: Drone Assisted Disaster Response, Restoration, and Recovery	Research - Applied	National Science Foundation - Federal NSF		Co-PI	11/1/2020	0.25	48.50%	25%	\$12,500	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>Andrew, S. , Co-PI; Jang, H. , Co-PI; Shi, Y. , Co-PI; Hutson, N. , Co-PI; Fischer, L. , PI; Public Administration; Huang, Z. , Co-PI; Engineering Technology; Nielsen, R. , Co-PI; Computer Science &amp; Engineering; Habib, A. , Co-PI; IPACS</i>											
20-0664 Proposal: New	Ride Guide: Smart Complete Trip Solutions for Underserved Communities in Texas	Research - Applied	U.S. Department of Transportation - DOT	Federal	Co-PI	9/30/2020	1	48.50%	5%	\$77,615	Pending
			Totals for	<b>Andrew, Simon</b>						<b>\$90,115</b>	
<b>Fischer, Lauren</b>											
<i>Fischer, L. , PI; Jang, H. , Co-PI; Andrew, S. , Co-PI; Shi, Y. , Co-PI; Hutson, N. , Co-PI; Public Administration; Huang, Z. , Co-PI; Engineering Technology; Nielsen, R. , Co-PI; Computer Science &amp; Engineering; Habib, A. , Co-PI; IPACS</i>											
20-0664 Proposal: New	Ride Guide: Smart Complete Trip Solutions for Underserved Communities in Texas	Research - Applied	U.S. Department of Transportation - DOT	Federal	PI	9/30/2020	1	48.50%	40%	\$620,918	Pending
			Totals for	<b>Fischer, Lauren</b>						<b>\$620,918</b>	
<b>Hutson, Nathan</b>											
<i>Hutson, N. , Co-PI; Jang, H. , Co-PI; Andrew, S. , Co-PI; Shi, Y. , Co-PI; Fischer, L. , PI; Public Administration; Huang, Z. , Co-PI; Engineering Technology; Nielsen, R. , Co-PI; Computer Science &amp; Engineering; Habib, A. , Co-PI; IPACS</i>											
20-0664 Proposal: New	Ride Guide: Smart Complete Trip Solutions for Underserved Communities in Texas	Research - Applied	U.S. Department of Transportation - DOT	Federal	Co-PI	9/30/2020	1	48.50%	5%	\$77,615	Pending
			Totals for	<b>Hutson, Nathan</b>						<b>\$77,615</b>	
<b>Jang, Hee Soun</b>											
<i>Jang, H. , Co-PI; Andrew, S. , Co-PI; Shi, Y. , Co-PI; Hutson, N. , Co-PI; Fischer, L. , PI; Public Administration; Huang, Z. , Co-PI; Engineering Technology; Nielsen, R. , Co-PI; Computer Science &amp; Engineering; Habib, A. , Co-PI; IPACS</i>											
20-0664 Proposal: New	Ride Guide: Smart Complete Trip Solutions for Underserved Communities in Texas	Research - Applied	U.S. Department of Transportation - DOT	Federal	Co-PI	9/30/2020	1	48.50%	15%	\$232,844	Pending
20-0689 Proposal: New	Understanding the Effects of the COVID-19 Pandemic on the Continuum of Care Homeless Service Networks (CoCs)	Research - Applied	Robert Wood Johnson Foundation	Not for Profit	PI	11/1/2020	1.91	12.00%	100%	\$200,000	Pending
			Totals for	<b>Jang, Hee Soun</b>						<b>\$432,844</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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**Shi, Yu**

*Shi, Y. , Co-PI; Jang, H. , Co-PI; Andrew, S. , Co-PI; Hutson, N. , Co-PI; Fischer, L. , PI; Public Administration; Huang, Z. , Co-PI; Engineering Technology; Nielsen, R. , Co-PI; Computer Science & Engineering; Habib, A. , Co-PI; IPACS*

20-0664 Proposal: New	Ride Guide: Smart Complete Trip Solutions for Underserved Communities in Texas	Research - Applied	U.S. Department of Transportation - DOT	Federal	Co-PI	9/30/2020	1	48.50%	5%	\$77,615	Pending
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Totals for **Shi, Yu** **\$77,615**

Totals for **Public Administration** **\$1,299,106**

**Social Work**

**Sweeten, Brenda**

20-0752 Proposal: New	Program support of year-round PUSH case management support for Foster Care Alumni at UNT	Student Support	UNT Foundation	Not for Profit Flow Thru	PI	1/1/2021	1.33	0.00%	100%	\$75,000	Pending
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Totals for **Sweeten, Brenda** **\$75,000**

Totals for **Social Work** **\$75,000**

Totals for **College of Health & Public Service** **\$1,960,372**

**College of Information**

**Learning Technologies**

**Christensen, Rhonda**

*Christensen, R. , PI; Knezek, G. , Co-PI; Learning Technologies*

20-0696 Proposal: New	simEquity: Improving Student Learning While Decreasing Bias in Teaching Through Simulations	Research - Basic	Institute of Education Sciences	Federal	PI	7/1/2021	2.91	26.00%	50%	\$494,135	Pending
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Totals for **Christensen, Rhonda** **\$494,135**

**Hayes, Aleshia**

20-0747 Proposal: Resubmissio	CAREER: Automating the Behavioral Coding of Social Presence towards a Multimodal Model of Behavioral, Physiological, and Subjective Predictors of Social Presence	Research - Basic	National Science Foundation - Federal NSF		PI	8/1/2021	4.75	48.50%	100%	\$664,041	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>Hayes, Aleshia</b>							<b>\$664,041</b>	
<b>Kaplan-Rakowski, Regina</b>											
<i>Kaplan-Rakowski, R. , PI; Lin, L. , Co-PI; Learning Technologies; Chelliah, S. , Co-PI; Linguistics</i>											
20-0727 Proposal: New	Establishing a Sustainable Partnership between the University of North Texas (UNT) and Palestine Technical University (PTUKA)	Public Service	U.S. Embassy in Israel	Other (Non-TX State) Govt	PI	10/1/2020	1.91	31.50%	60%	\$114,566	Pending
Totals for			<b>Kaplan-Rakowski, Regina</b>							<b>\$114,566</b>	
<b>Knezek, Gerald</b>											
<i>Knezek, G. , Co-PI; Christensen, R. , PI; Learning Technologies</i>											
20-0696 Proposal: New	simEquity: Improving Student Learning While Decreasing Bias in Teaching Through Simulations	Research - Basic	Institute of Education Sciences	Federal	Co-PI	7/1/2021	2.91	26.00%	50%	\$494,135	Pending
Totals for			<b>Knezek, Gerald</b>							<b>\$494,135</b>	
<b>Lin, Lin</b>											
<i>Lin, L. , Co-PI; Learning Technologies; Ludi, S. , PI; Computer Science &amp; Engineering</i>											
20-0672 Proposal: Resubmissio	IUSE: Increasing Accessible Design Skills via Participatory Design in a Two-Term Capstone focusing on Developing Software for Special Needs Populations	Research - Applied	National Science Foundation - NSF	Federal	Co-PI	6/1/2021	2.91	48.50%	30%	\$89,883	Pending
<i>Lin, L. , PI; Parsons, T. , Co-PI; Learning Technologies; Eutsler, L. , Co-PI; Teacher Education &amp; Admin; Naresh, N. , Co-PI; Mathematics</i>											
20-0726 Proposal: New	Collaborative Research: Developing and Testing Innovations (DTI): Executive Functions, Community Involvement, & Technology Enhancements in Mathematical Learning (EXCITE Math)	Research - Applied	National Science Foundation - NSF	Federal	PI	6/1/2021	3.91	26.00%	25%	\$362,227	Pending
<i>Lin, L. , Co-PI; Kaplan-Rakowski, R. , PI; Learning Technologies; Chelliah, S. , Co-PI; Linguistics</i>											
20-0727 Proposal: New	Establishing a Sustainable Partnership between the University of North Texas (UNT) and Palestine Technical University (PTUKA)	Public Service	U.S. Embassy in Israel	Other (Non-TX State) Govt	Co-PI	10/1/2020	1.91	31.50%	30%	\$57,283	Pending
Totals for			<b>Lin, Lin</b>							<b>\$509,392</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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**McMahan, Fred**

*McMahan, F. , Co-PI; Parsons, T. , Co-PI; Learning Technologies; Nielsen, R. , Co-PI; Computer Science & Engineering; Ryals, A. , Co-PI; Psychology; Grigolini, P. , PI; Physics*

20-0740 Proposal: New	Protecting the country from misinformation attacks, especially through bots, using criticality theories	Research - Basic	U.S. Department of Defense - DOD	Federal	Co-PI	12/14/2020	3	48.50%	20%	\$598,477	Pending
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Totals for **McMahan, Fred** **\$598,477**

**Parsons, Thomas**

*Parsons, T. , Co-PI; Lin, L. , PI; Learning Technologies; Eutsler, L. , Co-PI; Teacher Education & Admin; Naresh, N. , Co-PI; Mathematics*

20-0726 Proposal: New	Collaborative Research: Developing and Testing Innovations (DTI): Executive Functions, Community Involvement, & Technology Enhancements in Mathematical Learning (EXCITE Math)	Research - Applied	National Science Foundation - NSF	Federal	Co-PI	6/1/2021	3.91	26.00%	25%	\$362,227	Pending
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*Parsons, T. , Co-PI; McMahan, F. , Co-PI; Learning Technologies; Nielsen, R. , Co-PI; Computer Science & Engineering; Ryals, A. , Co-PI; Psychology; Grigolini, P. , PI; Physics*

20-0740 Proposal: New	Protecting the country from misinformation attacks, especially through bots, using criticality theories	Research - Basic	U.S. Department of Defense - DOD	Federal	Co-PI	12/14/2020	3	48.50%	20%	\$598,477	Pending
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Totals for **Parsons, Thomas** **\$960,704**

Totals for **Learning Technologies** **\$3,835,450**

**Linguistics**

**Chelliah, Shobhana**

*Chelliah, S. , Co-PI; Linguistics; Lin, L. , Co-PI; Kaplan-Rakowski, R. , PI; Learning Technologies*

20-0727 Proposal: New	Establishing a Sustainable Partnership between the University of North Texas (UNT) and Palestine Technical University (PTUKA)	Public Service	U.S. Embassy in Israel	Other (Non-TX State) Govt	Co-PI	10/1/2020	1.91	31.50%	10%	\$19,094	Pending
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Totals for **Chelliah, Shobhana** **\$19,094**

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Zhang, Xian</b>											
20-0514 Proposal: New	CAREER: Understanding the contribution of individual differences and metalinguistic awareness in implicit/explicit language learning	Research - Basic	National Science Foundation - Federal NSF		PI	9/1/2021	4.91	48.50%	100%	\$589,229	Pending
		Totals for	<b>Zhang, Xian</b>							<b>\$589,229</b>	
		Totals for	<b>Linguistics</b>							<b>\$608,323</b>	
		Totals for	<b>College of Information</b>							<b>\$4,443,774</b>	

**College of Liberal Arts & Social Sciences**

**Geography**

**Liang, Lu**

*Liang, L. , Co-PI; Geography; Albus, K. , PI; AERI - Advanced Environmental*

20-0691 Proposal: New	Particulate Matter Air and Participation Study (PMAPS) for Texas	Public Service	National Geographic Society Education Foundation	Not for Profit	Co-PI	1/1/2021	0.91	0.00%	50%	\$24,198	Pending
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*Liang, L. , Co-PI; Geography; Gregory, A. , PI; AERI - Advanced Environmental*

20-0731 Proposal: New	Remote Sensing Models Forest Carbon Sequestration, Rewilding, and Health Across Equatorial Africa	Research - Applied	National Aeronautics & Space Administration - NASA	Federal	Co-PI	1/1/2021	3.91	48.50%	50%	\$299,498	Pending
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Totals for **Liang, Lu** **\$323,696**

Totals for **Geography** **\$323,696**

**Psychology**

**Ryals, Anthony**

*Ryals, A. , Co-PI; Psychology; Parsons, T. , Co-PI; McMahan, F. , Co-PI; Learning Technologies; Nielsen, R. , Co-PI; Computer Science & Engineering; Grigolini, P. , PI; Physics*

20-0740 Proposal: New	Protecting the country from misinformation attacks, especially through bots, using criticality theories	Research - Basic	U.S. Department of Defense - DOD	Federal	Co-PI	12/14/2020	3	48.50%	20%	\$598,477	Pending
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Totals for **Ryals, Anthony** **\$598,477**

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Wright, Rex</b>											
20-0742 Proposal: Resubmissio	Love: What is it really? How does it work?	Research - Basic	John Templeton Foundation	Foundation	PI	6/1/2021	2.91	15.00%	100%	\$538,270	Pending
		Totals for	<b>Wright, Rex</b>							<b>\$538,270</b>	
		Totals for	<b>Psychology</b>							<b>\$1,136,747</b>	
		Totals for	<b>College of Liberal Arts &amp; Social Sciences</b>							<b>\$1,460,443</b>	

**College of Merchandising, Hospitality & Tourism**  
**Hospitality & Tourism**

**Kim, Young Hoon**

20-0679 Proposal: New	Phase II: An Incubator Village for the DMZ (Demilitarized Zone; Dream and Miracle Zone) and Its Credibility, Connectivity, and Practicality	Research - Basic	The Korea Foundation	Foreign	PI	3/1/2021	1.08	10.00%	100%	\$243,942	Pending
		Totals for	<b>Kim, Young Hoon</b>							<b>\$243,942</b>	
		Totals for	<b>Hospitality &amp; Tourism</b>							<b>\$243,942</b>	
		Totals for	<b>College of Merchandising, Hospitality &amp; Tourism</b>							<b>\$243,942</b>	

**College of Science**  
**Biological Sciences**

**Burggren, Warren**

20-0580 Proposal: New	The Role of blood brain barrier integrity in COVID-19-induced central nervous dysfunction: Involvement of Cytokines and occupational PAH exposure	Research - Applied	National Institutes of Health - NIH	Federal	PI	11/1/2020	1.91	48.50%	100%	\$361,394	Pending
		Totals for	<b>Burggren, Warren</b>							<b>\$361,394</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Wang, Xiaoqiang</b>											
20-0754 Proposal: New	Development of Drug Detoxifying Bacteria for Chemotherapy Induced Gut Injury	Research - Applied	Sanarentero LLC	Federal Flow Thru	PI	4/1/2021	0.91	48.50%	100%	\$140,000	Pending
Totals for			<b>Wang, Xiaoqiang</b>							<b>\$140,000</b>	
Totals for			<b>Biological Sciences</b>							<b>\$501,394</b>	

### *Chemistry*

#### **Cisneros, G. Andres**

20-0599 Proposal: New	Characterization of proofreading activity and impact of missense variants on the SARS-CoV-2 Replisome	Research - Basic	National Institutes of Health - NIH	Federal	PI	3/1/2021	3.91	48.50%	100%	\$2,846,744	Pending
Totals for			<b>Cisneros, G. Andres</b>							<b>\$2,846,744</b>	

#### **Ma, Shengqian**

20-0701 Proposal: New	Proton Exchange Membrane and Cathode Catalyst Improvements for Fuel Cell Applications	Research - Development	MPower Innovation, Inc.	Not for Profit	PI	9/1/2020	1.91	20.00%	100%	\$300,000	Pending
20-0702 Proposal: New	Scientific Cooperation with King Saud University on Advanced Porous Materials Research	Research - Basic	King Saud University	Foreign	PI	9/1/2020	1.25	20.00%	100%	\$56,978	Pending
20-0705 Proposal: New	Crystallographic Studies on co-Crystals	Research - Development	Colgate-Palmolive Company	Industry	PI	9/1/2020	2.91	15.00%	100%	\$59,999	Pending
20-0768 Proposal: New	Scalable Integration of CO2 Capture and Electrocatalytic Conversion to Organic Liquids	Research - Basic	Board of Trustees of Northern Illinois University	Federal Flow Thru	PI	4/1/2021	2.91	48.50%	100%	\$562,503	Pending

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
20-0778 Award: Transfer (PI)	Unveiling intrinsic functionality of two-dimensional organic-inorganic ferroelectrics for energy storing/converting devices: integrated computational-experimental approach	Research - Basic	University of South Florida	Federal Flow Thru	PI	9/15/2020	2.91	48.50%	100%	\$117,567	Pending
		Totals for	<b>Ma, Shengqian</b>							<b>\$1,097,047</b>	
<b>Skellam, Elizabeth</b>											
20-0602 Proposal: New	Developing a Biomanufacturing Platform for the Site-Selective Functionalization and Structural Diversification of Cytochalasan-Based Carbon Skeletons	Research - Applied	National Science Foundation - Federal NSF		PI	1/1/2021	2.91	48.50%	100%	\$309,778	Pending
		Totals for	<b>Skellam, Elizabeth</b>							<b>\$309,778</b>	
		Totals for	<b>Chemistry</b>							<b>\$4,253,569</b>	
<b>COS - Student Services</b>											
<b>Lang, Todd</b>											
20-0687 Proposal: New	Joint Admission Medical Program 2020-2021	Public Service	University of Texas at Austin Joint Admission Medical Program Council: Admissions Medical Program	State of TX	PI	9/1/2020	0.91	0.00%	100%	\$17,832	Awarded
		Totals for	<b>Lang, Todd</b>							<b>\$17,832</b>	
		Totals for	<b>COS - Student Services</b>							<b>\$17,832</b>	
<b>Institute for Applied Sciences</b>											
<b>O'Neill, Martin</b>											
20-0749 Proposal: New	Data-Driven Decision Support Methods for Public Health Preparedness	Research - Basic	National Institutes of Health - NIH	Federal	PI	8/15/2021	4.83	0.00%	100%	\$1,500,000	Pending
		Totals for	<b>O'Neill, Martin</b>							<b>\$1,500,000</b>	
		Totals for	<b>Institute for Applied Sciences</b>							<b>\$1,500,000</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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**IPACS**

**Habib, Abdulrahman**

*Habib, A. , Co-PI; IPACS; Andrew, S. , Co-PI; Public Administration; Namuduri, K. , PI; Electrical Engineering*

20-0643 Proposal: New	SCC-CIVIC-PG Track B: Resilient Infrastructure: Drone Assisted Disaster Response, Restoration, and Recovery	Research - Applied	National Science Foundation - Federal NSF		Co-PI	11/1/2020	0.25	48.50%	25%	\$12,500	Pending
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*Habib, A. , PI; IPACS; Namuduri, K. , Co-PI; Electrical Engineering*

20-0652 Proposal: New	Using Mobility to Change the Food Access Model in Dallas Food Deserts	Research - Applied	National Science Foundation - Federal NSF		PI	11/1/2020	0.25	48.50%	75%	\$37,498	Pending
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*Habib, A. , Co-PI; IPACS; Huang, Z. , Co-PI; Engineering Technology; Jang, H. , Co-PI; Andrew, S. , Co-PI; Shi, Y. , Co-PI; Hutson, N. , Co-PI; Fischer, L. , PI; Public Administration; Nielsen, R. , Co-PI; Computer Science & Engineering*

20-0664 Proposal: New	Ride Guide: Smart Complete Trip Solutions for Underserved Communities in Texas	Research - Applied	U.S. Department of Transportation - DOT	Federal	Co-PI	9/30/2020	1	48.50%	10%	\$155,229	Pending
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Totals for **Habib, Abdulrahman** **\$205,227**

Totals for **IPACS** **\$205,227**

**Mathematics**

**Naresh, Nirmala**

*Naresh, N. , Co-PI; Mathematics; Parsons, T. , Co-PI; Lin, L. , PI; Learning Technologies; Eutsler, L. , Co-PI; Teacher Education & Admin*

20-0726 Proposal: New	Collaborative Research: Developing and Testing Innovations (DTI): Executive Functions, Community Involvement, & Technology Enhancements in Mathematical Learning (EXCITE Math)	Research - Applied	National Science Foundation - Federal NSF		Co-PI	6/1/2021	3.91	26.00%	25%	\$362,227	Pending
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Totals for **Naresh, Nirmala** **\$362,227**

Totals for **Mathematics** **\$362,227**

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status
<b>Physics</b>											
<b>Grigolini, Paolo</b>											
<i>Grigolini, P. , PI; Physics; Parsons, T. , Co-PI; McMahan, F. , Co-PI; Learning Technologies; Nielsen, R. , Co-PI; Computer Science &amp; Engineering; Ryals, A. , Co-PI; Psychology</i>											
20-0740 Proposal: New	Protecting the country from misinformation attacks, especially through bots, using criticality theories	Research - Basic	U.S. Department of Defense - DOD	Federal	PI	12/14/2020	3	48.50%	20%	\$598,477	Pending
		Totals for	<b>Grigolini, Paolo</b>							<b>\$598,477</b>	
<b>Littler, Christopher</b>											
<i>Littler, C. , Co-PI; Syllaios, A. , Co-PI; Philipose, U. , PI; Physics</i>											
20-0700 Proposal: New	Development of nanowire-based gas sensors for health and environment monitoring	Research - Applied	National Science Foundation - NSF	Federal	Co-PI	1/10/2021	2	48.50%	20%	\$49,992	Pending
		Totals for	<b>Littler, Christopher</b>							<b>\$49,992</b>	
<b>Neogi, Arup</b>											
<i>Neogi, A. , PI; Physics; Dahotre, N. , Co-PI; Banerjee, R. , Co-PI; Materials Science &amp; Engineer; Voevodin, A. , Co-PI; Engineering - Deans Off</i>											
20-0766 Proposal: New	Acquisition of a tunable femtosecond laser amplifier for additive manufacturing and diagnostics	Research - Basic	U.S. Department of Defense - DOD	Federal	PI	7/20/2021	1	0.00%	40%	\$154,434	Pending
		Totals for	<b>Neogi, Arup</b>							<b>\$154,434</b>	
<b>Philipose, Usha</b>											
<i>Philipose, U. , PI; Littler, C. , Co-PI; Syllaios, A. , Co-PI; Physics</i>											
20-0700 Proposal: New	Development of nanowire-based gas sensors for health and environment monitoring	Research - Applied	National Science Foundation - NSF	Federal	PI	1/10/2021	2	48.50%	60%	\$149,977	Pending
		Totals for	<b>Philipose, Usha</b>							<b>\$149,977</b>	
<b>Syllaios, Athanasios</b>											
<i>Syllaios, A. , Co-PI; Littler, C. , Co-PI; Philipose, U. , PI; Physics</i>											
20-0700 Proposal: New	Development of nanowire-based gas sensors for health and environment monitoring	Research - Applied	National Science Foundation - NSF	Federal	Co-PI	1/10/2021	2	48.50%	20%	\$49,992	Pending
		Totals for	<b>Syllaios, Athanasios</b>							<b>\$49,992</b>	

File Number	Title	Category	Sponsor	Sponsor Type	PI / Co-PI	Start Date	Duration in Years	FA Rate %	Recognition %	Distribution Amount	Status	
		Totals for	<b>Physics</b>								<b>\$1,002,872</b>	
		Totals for	<b>College of Science</b>								<b>\$7,843,121</b>	

**Research & Innovation**

**AERI - Advanced Environmental**

**Albus, Kelly**

*Albus, K. , PI; AERI - Advanced Environmental ; Liang, L. , Co-PI; Geography*

20-0691 Proposal: New	Particulate Matter Air and Participation Study (PMAPS) for Texas	Public Service	National Geographic Society Education Foundation	Not for Profit	PI	1/1/2021	0.91	0.00%	50%	\$24,198	Pending
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Totals for **Albus, Kelly** **\$24,198**

**Gregory, Andrew**

*Gregory, A. , PI; AERI - Advanced Environmental; Liang, L. , Co-PI; Geography*

20-0731 Proposal: New	Remote Sensing Models Forest Carbon Sequestration, Rewilding, and Health Across Equatorial Africa	Research - Applied	National Aeronautics & Space Administration - NASA	Federal	PI	1/1/2021	3.91	48.50%	50%	\$299,498	Pending
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Totals for **Gregory, Andrew** **\$299,498**

Totals for **AERI - Advanced Environmental** **\$323,696**

Totals for **Research & Innovation** **\$323,696**

**Ryan College of Business**

**Info Tech & Decision Sci**

**Fathi, Mahdi**

20-0509 Proposal: New	CAREER: Systems and Methods of Blockchain for Human Trafficking	Research - Applied	National Science Foundation - NSF	Federal	PI	5/18/2021	4	48.50%	100%	\$534,956	Pending
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Totals for **Fathi, Mahdi** **\$534,956**

Totals for **Info Tech & Decision Sci** **\$534,956**



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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**Marketing & Logistics**

**Niranjan, Suman**

20-0667 Proposal: New	CAREER: Optimal Server Re-dispatching Policies in Field Services	Research - Applied	National Science Foundation - Federal NSF		PI	1/1/2021	4.91	48.50%	100%	\$570,616	Pending
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Totals for	<b>Niranjan, Suman</b>									<b>\$570,616</b>	
Totals for	<b>Marketing &amp; Logistics</b>									<b>\$570,616</b>	
Totals for	<b>Ryan College of Business</b>									<b>\$1,105,572</b>	
Totals for	<b>UNT</b>									<b>\$32,137,901</b>	
<b>Totals for</b>	<b>August FY2020:</b>									<b>\$32,137,901</b>	