RESEARCH SERVICES

May 2017

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CENG Proposal Development Support (PDS)

The Dean of the College on Engineering has allocated funds to support the development of large collaborative grant proposals (minimum proposed budget of $500,000 coming to UNT, and a minimum of three participating personnel from UNT) with the goal to facilitate the submission of highly competitive funding requests to federal agencies.

CENG PDS is specifically designated to support the proposal development process, which can be applied to two phases of the proposal: Pre-submission and Re-submission Phases.

Principal Investigators (PIs) can request PDS to cover a variety of expenses that may arise during the Pre-Submission and Re-Submission phases. PDS requests may be submitted to the Dean of CENG on the first Monday of every month. PDS funding decisions will be forwarded to the requesting PI within 30 days of submission.

More detailed information can be found at http://engineering.unt.edu/sites/default/files/PDS-Guidelines20161012.pdf

Engineering Red Team

**Who are we:** A number of your colleagues with experience in getting grants from and reviewing proposals for a number of federal and state agencies have agreed to serve as internal proposal reviewers.

**What will we do:** We will evaluate your proposal before it is submitted, allowing you to hear how reviewers may evaluate it.

More information can be found at http://engineering.unt.edu/sites/default/files/Engineering_Red_Team.pdf

Pre-Award Timeline and Process

<table>
<thead>
<tr>
<th>GO Request</th>
<th>College Review</th>
<th>OGCA Review</th>
</tr>
</thead>
<tbody>
<tr>
<td>GO requests should be done as soon as possible.</td>
<td>Applications requiring cost share or working with subcontractors</td>
<td>Provide application documents to ORS for review</td>
</tr>
</tbody>
</table>

Consultant Services

Pls requesting consulting services for their proposals.

http://engineering.unt.edu/funding
### Recent Research Grant and Contract Awards

Congratulations to faculty on receiving research grant and contract awards!

<table>
<thead>
<tr>
<th>Lead PI</th>
<th>Department</th>
<th>Project Title</th>
<th>Sponsor</th>
<th>Project Period</th>
<th>Total Allocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sundeep Mukherjee</td>
<td>Materials Science and Engineering</td>
<td>Reduced Activity Complex Concentrated Alloys for Generation IV Reactor Systems</td>
<td>ATS-MER, LLC</td>
<td>2/21/2017-11/20/2017</td>
<td>$90,000</td>
</tr>
<tr>
<td>Andrey Voevodin</td>
<td>Materials Science and Engineering</td>
<td>Two-dimensional nanostructured material processing and characterization</td>
<td>US Army Research Laboratory - ARL</td>
<td>3/8/2017-4/30/2018</td>
<td>$73,529</td>
</tr>
<tr>
<td>Rajiv Mishra</td>
<td>Materials Science and Engineering</td>
<td>Development of Multi-physics Based Hybrid Manufacturing for Unique Microstructure</td>
<td>US Army Research Laboratory - ARL</td>
<td>3/28/2017-4/30/2018</td>
<td>$360,000</td>
</tr>
<tr>
<td>Marcus Young</td>
<td>Materials Science and Engineering</td>
<td>Field Responsive Propertise of Adaptive Strain Glass</td>
<td>US Army Research Laboratory - ARL</td>
<td>3/28/2017-4/30/2018</td>
<td>$120,000</td>
</tr>
<tr>
<td>Eduardo Blanco</td>
<td>Computer Science and Engineering</td>
<td>Towards Inter-sentential Models for Detecting Focus of Negation</td>
<td>National Science Foundation - NSF</td>
<td>4/1/2017-3/31/2018</td>
<td>$60,000</td>
</tr>
<tr>
<td>Sundeep Mukherjee</td>
<td>Materials Science and Engineering</td>
<td>I-Corps: Metallic glass catalysts for energy conversion and storage</td>
<td>National Science Foundation - NSF</td>
<td>4/1/2017-9/30/2017</td>
<td>$50,000</td>
</tr>
<tr>
<td>Carnelia Caragea</td>
<td>Computer Science and Engineering</td>
<td>CAREER: From Data to Knowledge: Extracting and Utilizing Concept Graphs in Online Environments</td>
<td>National Science Foundation - NSF</td>
<td>6/1/2017-5/31/2022</td>
<td>$499,876</td>
</tr>
</tbody>
</table>
National Science Foundation

**Faculty Early Career Development Program (CAREER)**
Solicitation ID: NSF 17-537
Application due Jul 20, 2017

**Computer and Information Science and Engineering (CISE) Research Initiation Initiative (CRII)**
Solicitation ID: NSF 17-552
Application due Aug 09, 2017

**Robert Noyce Teacher Scholarship Program**
Solicitation ID: NSF 17-541
Application due Aug 29, 2017

**Big Data Regional Innovation Hubs: Establishing Spokes to Advance Big Data Applications (BD Spoke)**
Solicitation ID: NSF 17-546
Application due Sep 18, 2017

**(Limited) Software Infrastructure for Sustained Innovation (SSI)**
Solicitation ID: NSF 17-526
Application due Sep 19, 2017

**Industry-University Cooperative Research Centers Program (IUCRC)**
Solicitation ID: NSF 17-516
Preliminary proposal due Oct 18, 2017

**Computational and Data-Enabled Science and Engineering (CDS&E)**
Solicitation ID: PD 12-8084
Application due: Full Proposal windows ranging from Sep 01 to Dec 09, 2017 depending on discipline.

**Secure and Trustworthy Cyberspace (SaTC)**
Solicitation ID: NSF 16-580

National Institutes of Health

**Innovative Research in Cancer Nanotechnology (IRCN) (R01)**
Solicitation ID: PAR-17-240
Application due Oct 21, 2017

Department of Defense

**Air Force Young Investigator Research Program (YIP)**
Solicitation ID: BAA-AFRL-AFOSR-2017-0002
Application due Jun 01, 2017

**Electronic Warfare Technology**
Office of Naval Research
Solicitation ID: N00014-17-S-B008
Application due Jun 05, 2017

**Defense University Research Instrumentation Program (DURIP)**
Solicitation ID: PA-AFRL-AFOSR-2017-0001
Application due Jul 07, 2017

**Department of Defense Multidisciplinary Research Program of the University Research Initiative (MURI)**
Solicitation ID: N00014-17-S-F006
Application due Nov 01, 2017

**Diverse Collegiate Research and Development Collaboration Program**
Air Force -- Research Lab
Solicitation ID: FOA-AFRL-RQKP-2017-0001
Application due Dec 23, 2021

NASA

Solicitation ID: NNH17ZDA001N-HTIDS

**ROSES 2017: Heliophysics Data Environment Enhancements**
Solicitation ID: NNH17ZDA001N-HDEE
Step1 proposal due May 17, 2017
CSE OPPORTUNITIES

National Science Foundation

Computer and Network Systems (CNS): Core Programs
Solicitation ID: NSF 16-579

Computing and Communication Foundations (CCF): Core Programs
Solicitation ID: NSF 16-578

Information and Intelligent Systems (IIS): Core Programs
Solicitation ID: NSF 16-581

CISE Research Infrastructure (CRI)
Solicitation ID: NSF 15-590
Application due: Preliminary Proposal Nov 14, 2017; Full Proposal Jan 17, 2018

Department of Defense

Lifelong Learning Machines (L2M)
DARPA - Microsystems Technology Office
Solicitation ID: HR001117S0016
Application due Jun 21, 2017

Department of Defense DARPA

System Security Integrated Through Hardware and firmware (SSITH)
Solicitation ID: HR001117S0023
Application due Jun 05, 2017

EE OPPORTUNITIES

National Science Foundation

Electronics, Photonics and Magnetic Devices (EPMD)
Solicitation ID: PD 16-1517
Submission Window: Oct 01 – Nov 01, 2017

Engineering and Systems Design (ESD)
Solicitation ID: PD 17-1464
Submission Window: Sep 01- 15, 2017

Operations Engineering (OE)
Solicitation ID: PD 16-006Y
Submission Window: Sep 01- 15, 2017

Dynamics, Control and Systems Diagnostics (DCSD)
Solicitation ID: PD 17-7569
Submission Window: Sep 01- 15, 2017
MEE OPPORTUNITIES

National Science Foundation
Process Separations
Solicitation ID: PD 17-1417
Application due Oct 20, 2017

Civil Infrastructure Systems (CIS)
Solicitation ID: PD 15-1631
Submission Window: Sep 01-15, 2017

Engineering for Natural Hazards (ENH)
Solicitation ID: PD 17-014Y
Submission Window: Sep 01-15, 2017

Manufacturing Machines and Equipment (MME)
Solicitation ID: PD 17-1468
Submission Window: Sep 01-15, 2017

Mechanics of Materials and Structures (MOMS)
Solicitation ID: PD 17-1630
Submission Window: Sep 01-15, 2017

Department of the Interior
Bureau of Ocean Energy Management
BOEM 2017 Renewable Energy
Solicitation ID: M17AS00011
Application due May 12, 2017

MSE OPPORTUNITIES

National Science Foundation
Process Systems, Reaction Engineering and Molecular Thermodynamics
Solicitation ID: PD 17-1403
Application due Oct 20, 2017

Combustion and Fire Systems
Solicitation ID: PD 17-1407
Application due Oct 20, 2017

Particulate and Multiphase Processes
Solicitation ID: PD 17-1415
Application due Oct 20, 2017

Nano-Biosensing
Solicitation ID: PD 17-7909
Application due Oct 20, 2017

Environmental Engineering
Solicitation ID: PD 17-1440
Application due Oct 20, 2017

Fluid Dynamics
Solicitation ID: PD 17-1443
Application due Oct 20, 2017

Department of Defense DARPA
Metamaterial—based Optical System Design (RFI)
Solicitation ID: DARPA-SN-17-42
Application due May 22, 2017
BME OPPORTUNITIES

National Science Foundation

Cellular and Biochemical Engineering (CBE)
Solicitation ID: PD 17-1491
Application due Oct 20, 2017

Engineering of Biomedical Systems (EBMS)
Solicitation ID: PD 17-5345
Application due Oct 20, 2017

Biological and Environmental Interactions of Nanoscale Materials
Solicitation ID: PD 18-1179
No Deadline - Proposals for this program will be accepted throughout the year.

Department of Health and Human Resources

Activities to Promote Technology Research Collaborations (APTRC) for Cancer Research (Admin Supp)
Solicitation ID: PA-17-143
Application due Jul 25, and Dec 12, 2017

Research Education Program Grants for CryoEM Curriculum Development (R25)
Solicitation ID: RFA-RM-17-004
Application due Jun 25, 2017

ETEC OPPORTUNITIES

National Science Foundation

Thermal Transport Processes
Solicitation ID: PD 17-1406
Application due Oct 20, 2017

Biophotonics
Solicitation ID: PD 17-7236
Application due Oct 20, 2017
WEBINAR, WORKSHOP & EXPO

NSF
NSF CAREER Program Webinar
May 22, 2017 1:00 PM - 3:00 PM
Participants should register in advance

NIH
NIH Regional Seminars on Program Funding and Grants Administration
October 25-27, 2017 Baltimore, Online registration opens

DoE:
2017 Connected Lighting Systems Workshop
June 7-8, 2017, Santa Clara, CA.
Online registration closes Friday, May 26, 2017

NAVY:
2017 Naval Future Force Science and Technology (S&T) EXPO
July 20-21, 2017 Washington, D.C.
Online registration closes Tuesday, July 18, 2017

SERDP(DoD,EPA,DoE)
SERDP-ESTCP Symposium 2017
Online registration opens

NIST (National Institute of Standards and Technology):
1. Cybersecurity Framework Workshop 2017
May 16-17, 2017, Gaithersburg, MD
In-person registration closes Tuesday, May 9, 2017.

2. 2017 International Forensic Science Error Management Symposium
July 24-28, 2017, Gaithersburg, MD
Registration closes Wednesday, July 19, 2017

NICE (National Initiative for Cybersecurity Education):
9th annual National Cyber Security Summit
June 6-8, 2017, Huntsville, AL
Registration opens

FUNDING SEARCH ENGINES

Federal Grants World
https://grants.gov

PIVOT—26,000 Funding Opportunity Database
https://pivot.cos.com

Fed biz opps—Federal Business Opportunities
https://www.fbo.gov

Nine Sigma—Open Innovations Community
www.nin@sigma.com