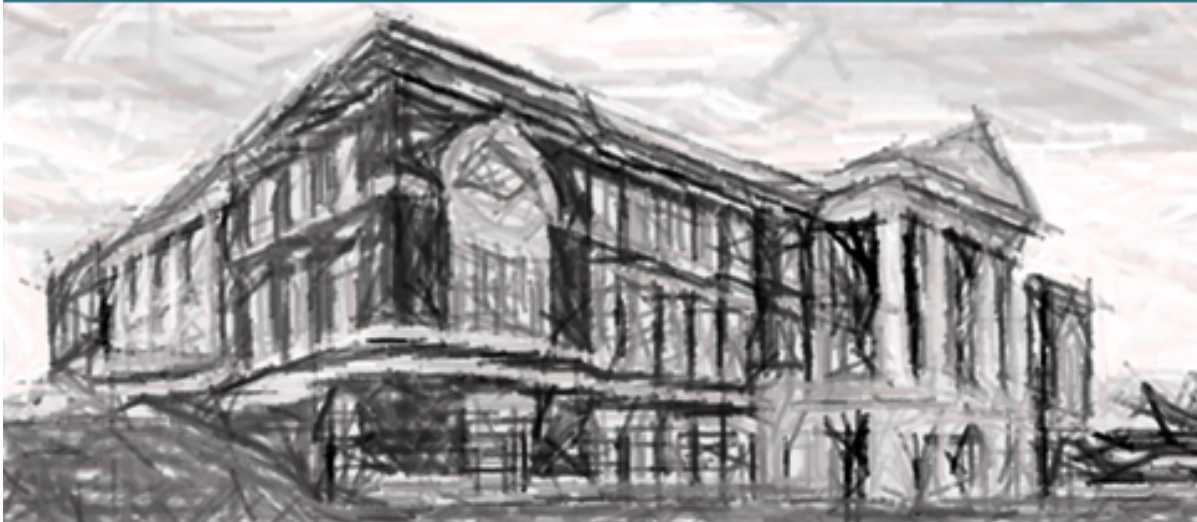




UNC CHARLOTTE

The WILLIAM STATES LEE COLLEGE *of* ENGINEERING

Contracts and Grants Office Newsletter



DURING REDUCED UNIVERSITY OPERATIONS DUE TO COVID-19, THE CONTRACTS AND GRANTS OFFICE REMAINS FULLY OPERATIONAL. STAFF MAY BE CONTACTED BY EMAIL, PHONE, AND VIDEO CONFERENCES AS NEEDED. PLEASE CONTINUE TO CHECK OUR [WEBSITE](#) FOR UPDATES.

GREETINGS

**from the
DIRECTOR**

Dear Engineering Colleagues,

The past two months have been unlike anything most of us have ever experienced. As we are all adjusting to a new way of life, the Contracts and Grants Office wants you to know that we continue to be here for you to meet

your research administration needs. We recognize the challenges presented by minimal on-campus activities, and we remain focused on continuing to administer proposal submissions and manage your awards.

We wish everyone good health and well-being. Additionally, we want to say congratulations to all of the 2020 UNC Charlotte graduates!

*Sincerely,
Shanda L. Wirt*

CONGRATULATIONS TO DR. CUTITARU AND DR. BRAXTAN

**The William States Lee College
of Engineering Excellence in
Teaching Awards 2020**

Undergraduate

Dr. Mihail (Misha) Cutitaru, *Teaching Assistant Professor, Electrical and
Computer Engineering*

Graduate

Dr. Nicole Braxtan, *Assistant Professor, Civil and Environmental Engineering*

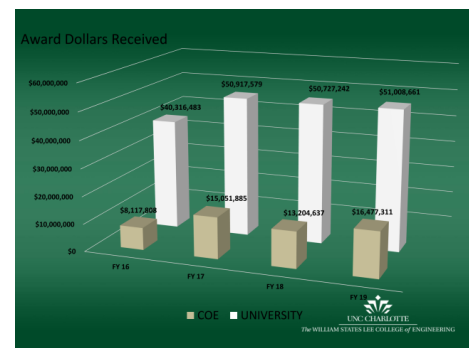
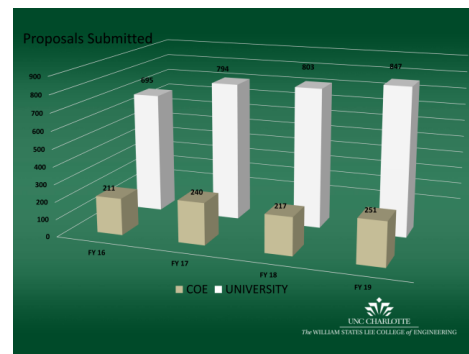


PROPOSAL AND AWARD ACTIVITY

The College of Engineering Fiscal Year 2020 (Through May)

Proposals submitted:
210 for \$62,368,371

Awards Received:
116 for \$15,101,616



UNIVERSITY PROGRAMS & POLICY UPDATES



UPDATED GUIDANCE FOR RESEARCH ACTIVITIES

Like many campus offices, the RED staff have successfully transitioned to working remotely. All RED offices are currently open and operational. We are taking full advantage of online and virtual communication tools, including Webex, Google Chat, and Google Hangouts. Faculty and staff are highly encouraged to communicate directly with RED offices via email, phone, video, or chat. If you need assistance or run into a problem connecting with an office or staff member, please contact the **RED Hotline at 704-687-8428**.

[READ MORE](#)

MEMORANDUM-COVID-19 GUIDANCE FOR REQUESTING SUMMER SUPPORT ON SPONSORED AWARDS

[READ MORE](#)

COVID-19 RESEARCH FUNDING OPPORTUNITIES

[READ MORE](#)

FACULTY PRE/POST AWARD ASSIGNMENT

The Contracts and Grants Office has created a new web-page which helps PIs identify the pre/post award support specialist. Click [here](#) to check out.



COST TRANSFER AND COST TRANSFER JUSTIFICATION FORM

A cost transfer is the reassignment of an expenditure from one fund to another fund and is an after-the-fact reallocation of an expense. Cost transfers present audit risk to the university. GCA monitors and approves sponsored cost transfers.

The university allows timely cost transfers involving sponsored projects in the following circumstances:



- error correction
- transfers between sub-funds of the same sponsored project
- disallowed costs
- clearing an overrun at the end of the project

The Cost Transfer Justification Form is only needed when the request is beyond 90 days from original transaction date.

READ MORE

TRAVEL

- **IRS STANDARD BUSINESS MILEAGE RATE CHANGE: 57.5 cents** per mile when round trip mileage does not exceed 100 miles per trip. Effective January 1st, 2020. Click [here](#) for MTR Form with new rate.

OTHER NEWS

- **PARKING PERMIT IS NOW PRE-TAX:** Beginning with the Feb. 15 payroll, the cost of employees' UNC Charlotte parking permits will be deducted on a pre-tax basis for those who participate in payroll deduction.
- **STUDENTS AND TEMPORARY WORKERS'** Monthly **payroll** will change to **biweekly** starting March 1st, 2020. The clock in/out feature is going live on March 1st. Click [here](#) to see the new video tutorial of WTE time entry and guidance details. Email HRSystems-Support@uncc.edu if your department would like the training administered to its WTE users.

SPONSOR UPDATES



NSF PROPOSAL & AWARD POLICIES & PROCEDURES GUIDE - PAPPG Update

A Revised PAPPG (NSF 20-1) has been implemented and is effective **June 1st** for proposals submitted or due and awards made on or after this date. **NSF has delayed** the requirement to use NSF-approved formats for the biographical sketch and current and pending support sections of NSF proposals until **October 5th, 2020**. Significant changes of the New PAPPG include:

- NSF will require the use of an NSF approved format in submission of the **biographical sketch** and **current and pending support** documents
- NSF is partnering with the National Institutes of Health (NIH) to use **SciENCv: Science Experts Network Curriculum Vitae** as an NSF approved format for preparation of both documents.
- New requirement for proposing organizations to submit government-wide representations and certifications in the System for Award Management (SAM)

- New requirement for providing e-mail documentation of Program Officer approval for the submission of RAPID and EAGER proposals; and
- Clarifications to current and pending support coverage as well as others changes throughout the document

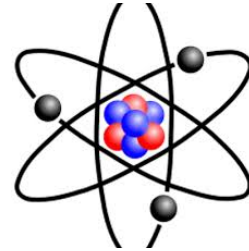
NSF recently recorded a webinar about the requirement to use an NSF approved format for both the biographical sketch and current and pending support documents as part of proposals submitted to NSF. [Details here](#)

READ MORE

NUGGETS OF KNOWLEDGE

F&A Waiver Request

- All proposals that do not adhere to UNCC's negotiated F&A rate will need signed approval from Vice Chancellor Dr. Rick Tankersley, at least **10 Business Days** prior to submission deadline. Please contact [Contract and Grants Office](#) for questions.



Title III & Title V Status

- UNC Charlotte is a Title III and Title V institution determined by the U.S. Department of Education. This status is based on the financial profile of our students (high percentage Pell grant-eligible students). For some sponsored programs, being a Title III institution allows us to check the "minority-serving" box. Examples are the Army Research Office and some programs at the U.S. Department of Education. For NSF and NIH we do not qualify as a minority-serving institution. For more information, please contact [Lesley Brown](#).

READ MORE

FACULTY RESEARCH SPOTLIGHTS

Dr. Badrul Chowdhury,
Professor,
Electrical and Computer
Engineering
Duke Energy Corporation
recently awarded Dr.
Chowdhury a grant entitled

"CAPER Enhancement - Developing a Combined System Model and Simulation Process for Integrated Planning and Operations Across Transmission and Distribution System"

This award has a **fourteen month duration** with a total of **\$200,000**. In this project, the project team will investigate the ability of performing steady



state analysis of distributed energy resources (DER) at both the distribution and transmission levels with a combined model. Currently this analysis is often performed by Duke Energy using a commercial simulation software from a specific vendor at the transmission level and a different simulation software, from another vendor, for the distribution level. The team will evaluate, using a single software, the ability to perform a unified DER analysis involving various types of utility transmission and distribution (T&D) interconnections and potential interactions using a single simulation software tool(s) for analysis and planning of multiple network types. Given the increasing levels of DER devices seen at the distribution level, it is no longer feasible to perform only a distribution feeder-level analysis. It will also be necessary to evaluate the impact of transmission-level events to DER interconnections at the distribution-level to evaluate potential loss of DER generation. Also, the increased level of distribution DERs back-feeding into transmission is now impacting transmission-level operation and protection. Analyzing higher-penetration levels of DERs necessitates the need for an integrated analysis using a combined T & D model.

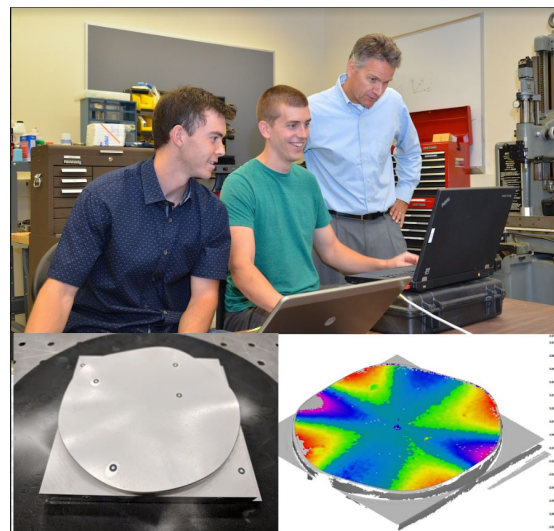
UNC Charlotte is partnering with North Carolina State University and Clemson University in this project.

[READ MORE ABOUT DR. CHOWDHURY'S RESEARCH](#)

Dr. Edward Morse, *Professor Mechanical Engineering and Engineering Science*
Department of Energy's Kansas City National Security Campus
manage by Honeywell FM&T
recently awarded Dr. Morse a project entitled "*Enhanced Optical Measurement Technologies*"

This award has **one year duration** with a total of **\$334,789**

This project from Kansas City National Security Campus (KCNSC) led by Brett Griffith, will build upon previous development efforts from Jeff Davies, with scope executed at UNC-Charlotte. UNC-Charlotte will research and down-select the most current 3D optical measurement technologies with KCNSC concurrence. Focusing on a single down selected platform within cost and acquisition timeline of project, the university will acquire, install, and characterize equipment (leveraging in-work ISO standards) and its ability to measure with/without process coating. This characterization will build a baseline for future work in defect detection



and augmented reality implementation to support inspector/operator component inspection.

READ MORE ABOUT DR. MORSE'S RESEARCH

Dr. Praveen Ramaprabhu,
Associate Professor,
Mechanical Engineering and
Engineering Science
The National Science Foundation
(NSF) Innovations in Graduate
Education (IGE) recently awarded
a team led by Dr. Ramaprabhu a
grant entitled "*Reimagining the STEM Doctorate: The Pathways to*
***Entrepreneurship PATENT Program*"**



This award has a **three year duration** with a total of **\$500,000**. The PATENT project will investigate a novel approach for STEM students to obtain their Ph.Ds: by developing a patentable technology. If successful, the project could become a prototype for other institutions to adapt, and pave the way for a Doctorate in Innovation. The goal of this project is to study efficacy and scalability of a novel pilot program in which participating Doctoral candidates will satisfy their degree requirements through the development of a patentable technology as the capstone requirement. In response to emerging trends and projected changes in the workforce requirements of future STEM Doctorates, we propose fundamental changes at both the curricular and programmatic levels, without sacrificing technical rigor. **Dr. David Pugalee, Dr. Harischandra Cherukuri, Dr. Audrey Rorrer, Dr. Mesbah Uddin, and Dr. Ting Xu are Co-PIs** for this project.

READ MORE ABOUT DR. RAMAPRABHU'S RESEARCH

UPCOMING EVENTS AND CONFERENCES

Research Administration Conferences

SRAI:
Annual Meeting
Boston, MA. 10/17/20 - 10/21/20
[Details here](#)

Have News To Share?

Please send any news, awards, photos, etc. along to [Joanne Zhang](#) to be included in Contracts and Grants Office newsletter.