

**CURRENT & PENDING SUPPORT**  
**INVESTIGATOR: DR. YONG-KYU YOON**

**CURRENT:**

Project/Proposal Title: I/UCRC for Multi-Functional Integrated System Technology  
Source of Support: NSF  
Total Award Amount: \$657,500  
Total Award Period Covered: 9/1/14 – 8/31/19  
Location of Project: University of Florida  
Person-Months Per Year Committed to the Project: 0.0

Project/Proposal Title: Magnetic Thick Films for Integrated Microwave Devices  
Total Award Amount: \$1,170,809  
Total Award Period Covered: 2/1/17 – 1/31/21  
Location of Project: University of Florida  
Person-Months Per Year Committed to the Project: 1.0

Project/Proposal Title: Investigation of Transparent Conducting Oxide Materials for Plasmonic Switching and Modulation  
Source of Support: AFRL  
Total Award Amount: \$50,000  
Total Award Period Covered: 03/01/17 – 02/28/18  
Location of Project: University of Florida  
Person-Months Per Year Committed to the Project: Cal:

Project/Proposal Title: University of Florida (UF) Testbed Initiative – Transit Components  
Source of Support: Florida Department of Transportation  
Total Award Amount: \$112,446  
Total Award Period Covered: 7/1/2017 – 6/30/2018  
Location of Project: University of Florida  
Person Months Per Year Committed to the Project: Cal: 1.0

Project/Proposal Title: Energy Dense and High Rate Electrochemical Capacitors: Advanced Nanomanufacturing  
Source of Support: Mainstream Engineering  
Total Award Amount: \$225,000  
Total Award Period Covered: 05/01/17 – 03/23/19  
Location of Project: University of Florida  
Person-Months Per Year Committed to the Project: Cal: 0.5

Project/Proposal Title: Glass vs Incumbent Materials in RF Passives and Antenna Applications

Source of Support: Corning Inc.  
Total Award Amount: \$96,830  
Total Award Period Covered: 08/01/17 – 07/31/18  
Location of Project: University of Florida  
Person-Months Per Year Committed to the Project: Cal: 0.5

**PENDING:**

Project/Proposal Title: IRES: Northwestern University - University of Florida - Louisiana State University Interdisciplinary Research in Korea on Sensors (NULinKS) for Undergraduates  
Source of Support: NSF  
Total Award Amount: \$72,474  
Total Award Period Covered: 03/01/18 – 02/28/21  
Location of Project: University of Florida  
Person-Months Per Year Committed to the Project: Cal: 0.28

Project/Proposal Title: Biomimetic Microfabricated Magnetic Gradiometer  
Source of Support: NSF  
Total Award Amount: \$318,367  
Total Award Period Covered: 05/01/18 – 04/30/21  
Location of Project: University of Florida  
Person-Months Per Year Committed to the Project: Cal: 0.5

Project/Proposal Title: SCALE-M: Small-cell Cognitive Architecture with Low Energy MIMO for 5G MMWave Systems  
Source of Support: NSF  
Total Award Amount: \$748,575  
Total Award Period Covered: 06/05/18 – 06/04/21  
Location of Project: University of Florida  
Person-Months Per Year Committed to the Project: Cal: 0.50

Project/Proposal Title: EAGER SitS: Terahertz Sensors for In-Situ Soil Characterization and Imaging  
Source of Support: NSF  
Total Award Amount: \$280,000  
Total Award Period Covered: 10/01/18 – 09/30/20  
Location of Project: University of Florida  
Person-Months Per Year Committed to the Project: Cal: 0.50