

College of Engineering and Computer Science

2022 Meet Our **6** NSF CAREER Awardees  
IN THE UCF COLLEGE OF ENGINEERING  
AND COMPUTER SCIENCE



Department of  
Civil, Environmental and  
Construction Engineering

**THOMAS  
WAHL, Ph.D.**

The Effect of Spatiotemporal Storm  
Surge Clusters on Coastal Flood Risk

**\$550,000**

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Department of  
Computer Science

**SHARMA  
THANKACHAN, Ph.D.**

Algorithmic Aspects of Pan-genomic  
Data Modeling, Indexing and Querying

**\$595,271**

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Department of  
Electrical and  
Computer Engineering

**BRIAN  
KIM, Ph.D.**

Superresolution Neurochemical  
Probe Using Stochastic  
Neurotransmitter Localization

**\$500,000**

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Department of Materials  
Science and Engineering

**TENGFEI  
JIANG, Ph.D.**

Reliability of 3-Dimensional  
Interconnects for Heterogeneous  
Integration: An Integrated  
Experimental and Modeling Study

**\$500,000**

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Department of Materials  
Science and Engineering

**YEONWOONG "ERIC"  
JUNG, Ph.D.**

Scalable Lamination Printing of Near  
Atomically Thin Electronic Materials  
with Mechanical Stretchability

**\$562,713**

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Department of Mechanical  
and Aerospace  
Engineering

**KAWAI  
KWOK, Ph.D.**

Harnessing Snapping Instabilities for  
Shape-Reconfigurable Structures

**\$500,486**

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UCF

2022  
NSF CAREER  
Awards

**\$3.2M**  
to CECS  
Researchers

National Science  
Foundation CAREER  
Awards are highly  
competitive awards  
given to early-  
career scientists  
and engineers  
with potential  
of leading major  
advances in their  
respective fields  
and who will serve  
as academic role  
models. Winning an  
NSF CAREER Award  
is considered a  
distinctive national  
honor.

