

College of Engineering and Computer Science

2022 Meet Our **7** NSF CAREER Awardees
IN THE UCF COLLEGE OF ENGINEERING
AND COMPUTER SCIENCE



UCF

2022
NSF CAREER
Awards

\$3.7M
to CECS
Researchers



Department of
Computer Science

FEI LIU, Ph.D.
Neural Transcript Summarization and
Induction of Document Structure

\$494,348

[Liu's Award Summary](#)



Department of
Computer Science

SHARMA THANKACHAN, Ph.D.
Algorithmic Aspects of Pan-genomic Data
Modeling, Indexing and Querying

\$595,271

[Thankachan's Award Summary](#)



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

[Jiang's Award Summary](#)



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

[Jung's Award Summary](#)

**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.



Department of Mechanical
and Aerospace Engineering

KAWAI KWOK, Ph.D.
Harnessing Snapping Instabilities for Shape-
Reconfigurable Structures

\$500,486

[Kwok's Award Summary](#)



Department of Electrical
and Computer Engineering

BRIAN KIM, Ph.D.
Superresolution Neurochemical Probe Using
Stochastic Neurotransmitter Localization

\$500,000

[Kim's Award Summary](#)



Department of Civil,
Environmental and
Construction Engineering

THOMAS WAHL, Ph.D.
The Effect of Spatiotemporal Storm
Surge Clusters on Coastal Flood Risk

\$550,000

[Wahl's Award Summary](#)

Read about
all eight
NSF CAREER
Awardees at
UCF in 2022
[https://tinyurl.com/
UCFNSF2022](https://tinyurl.com/UCFNSF2022)

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