



WASHINGTON STATE UNIVERSITY
School of Electrical Engineering
and Computer Science



School of Electrical Engineering and Computer Science (EECS)

WSU



About Me: Venera Arnaoudova

- **Associate Director, School of EECS**
- **Curriculum Committee Chair for CS/SE**
- Joined WSU in Fall 2015
- Research at WSU:
 - Understanding human factors and their impact on software
 - Improving developers' productivity
 - Interdisciplinary research (applying methodologies from neurocognitive science, NLP, and others)
- Teaching at WSU
 - OO Software Principles (CptS 321),
 - Software Maintenance (CptS 581),
 - Software Testing (CptS 582)



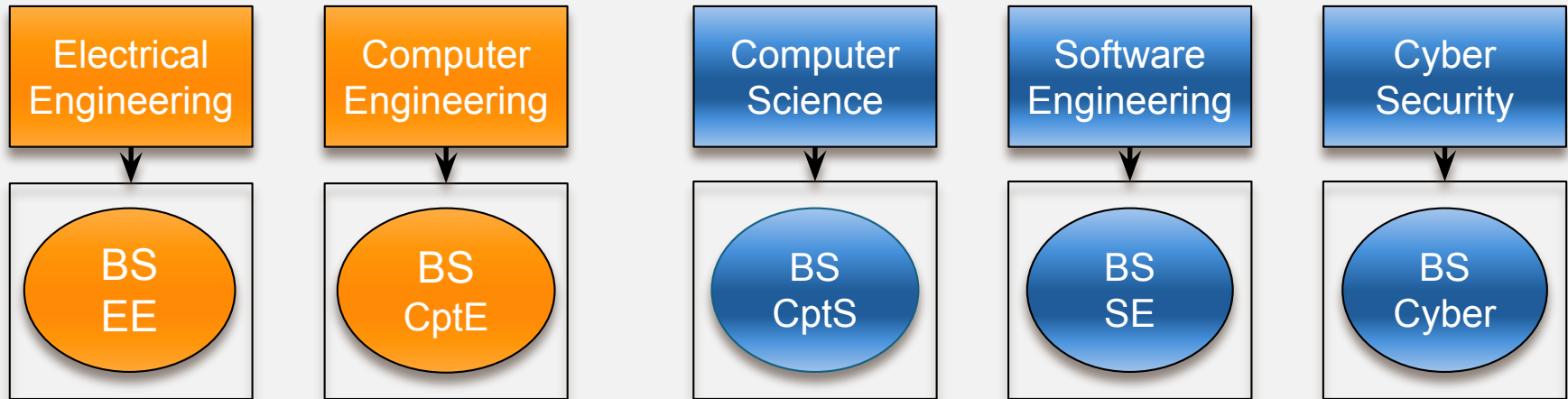
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EECS Programs

<https://school.eecs.wsu.edu/academics/undergraduate-program>



Systems

Hardware

Software

Algorithms

Design

Build

Implement

Solve



School of EECS

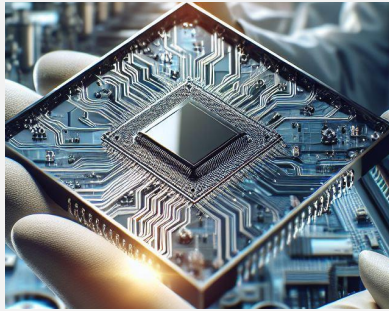
Full-time faculty (Pullman campus only)

- 20+ in Electrical and Computer Engineering
- 20+ in Computer Science

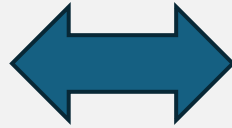
Major focus areas

- Electrical and Computer Engineering
 - Power Engineering
 - Electronic Design Automation
 - Systems Engineering
- Computer Science, Software Engineering, and Cybersecurity
 - AI and Machine Learning
 - Data Science and High-Performance Computing
 - Software Engineering
 - Cybersecurity

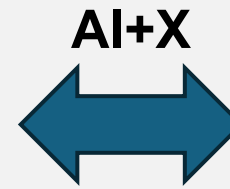
EECS Signature Areas of Research Excellence



Chip design and
semi-conductor

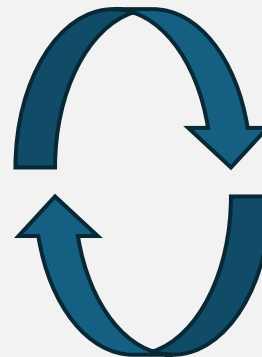
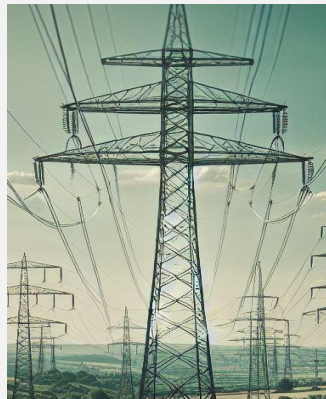


AI and machine
learning



High-performance
computing,
data science

Power and
smart grid

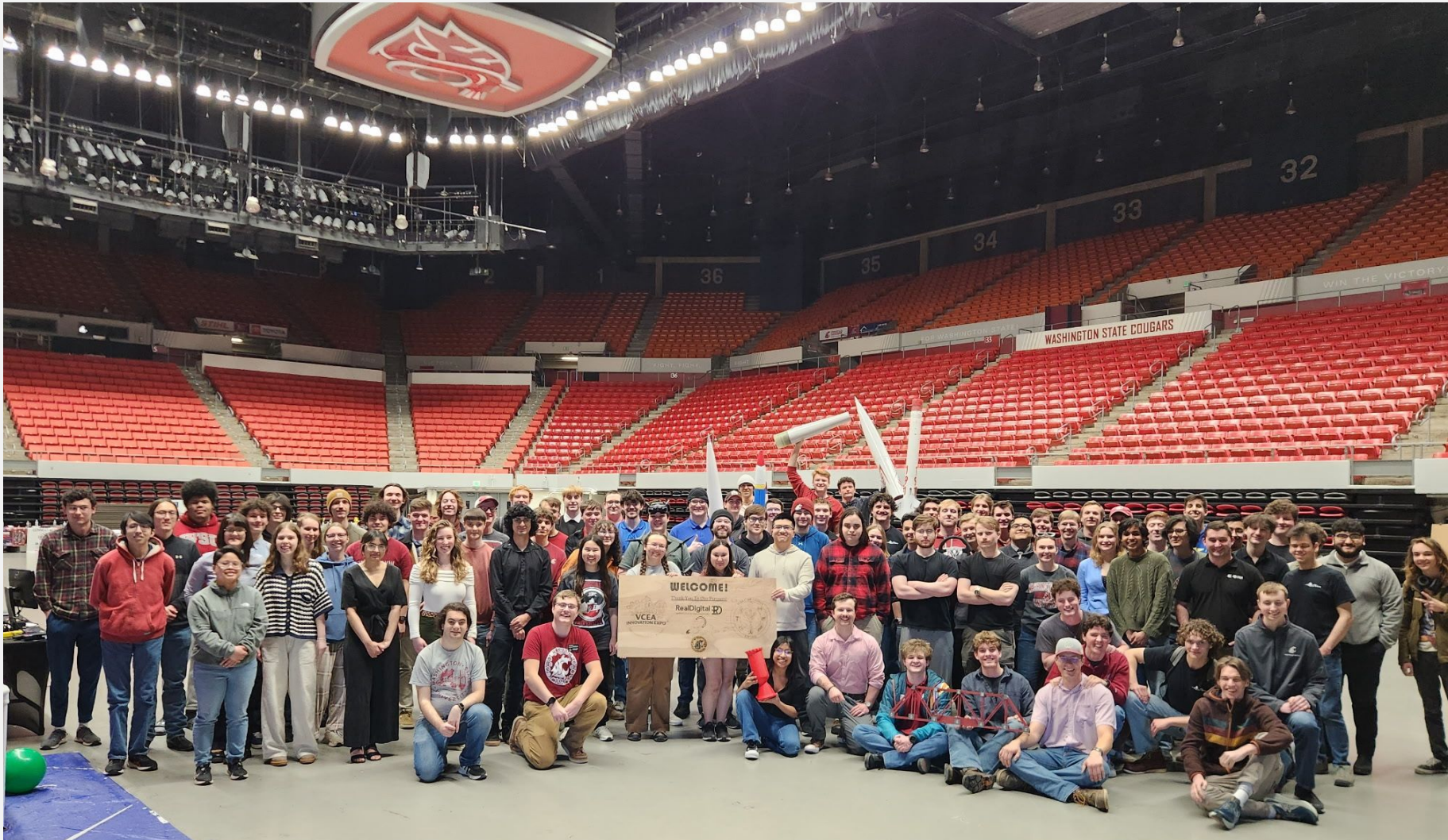


Cybersecurity





Student Clubs and Selected Success Stories





EECS CyberCougs: Cyber Security Group & VICEROY Scholars

- An EECS team of students attended the 2026 VIVEROY Symposium in April and
 - Won the Gilded Guardian 2026 VICEROY National Cyber Competition (Sean Hodgson, Adam Caudle, Cole Wilson, Justin Van Der Sluys, and Andy Sorge)
 - Presented research posters (William Fralia, Emily West, Tashi Stirewalt, Sean Hodgson, Fredy Fernandez, and Justin Van Der Sluys)
- Placed 12th in the Cyber Power Rankings, competing against more than 8,500 students from nearly 500 colleges across the country in the National Cyber League (NCL)





2026 VCEA Awards

Undergraduate student winners:

- Outstanding junior: **Cole Wilson**, BS in Computer Science
- Outstanding senior: **Aryan Puthran**, BS in Computer Science



Graduate student winners:

- Outstanding Teaching Assistant (grading and office hours): **Ziyi Zhang**, Ph.D. (advisor: Venera Arnaoudova)
- Outstanding Teaching Assistant (teaching and instruction): **Hang Le**, Ph.D. student (advisor: Nghia Hoang)
- Outstanding Dissertation: **Pratyush Dhingra**, Ph.D. candidate (advisors: Partha Pande and Jana Doppa)
- Outstanding Research Assistant: **Chibuiké Emmanuel Ugwu** (advisor: Jana Doppa)