

SCS WEDNESDAY WIRE | MAY 25, 2022

A midweek update from the SCS Dean's Office

Summer schedule: SCS WEDNESDAY WIRE will arrive in your Inbox every two weeks from Memorial Day through Labor Day.

SCS NEWS + AWARDS

— Nadia Susanto and Michael OBroin both earned degrees from SCS during CMU's Commencement exercises earlier this month, and they left the university with something not every student can claim: [top-notch records as athletes](#).

— Roberta Klatzky, the Charles J. Queenan Professor of Psychology, a faculty member in the Human-Computer Interaction Institute and an expert in cognition whose research examines the relationships between human perception and action has been [elected to the National Academy of Sciences](#).

— A [new policy brief from CMU's Traffic 21](#) outlines the state of automation in public transportation, discusses the challenges and benefits of autonomous vehicle technology and offers policy recommendations for federal officials.

— New research from Aravinda Thyagarajan, a postdoctoral researcher in the Computer Science Department advised by CyLab's Elaine Shi, outlines [a new protocol toward better privacy and security protections](#) when swapping cryptocurrencies. The paper, "[Universal Atomic Swaps: Secure Exchange of Coins Across All Blockchains](#)," will be presented at the 2022 IEEE Symposium on Security and Privacy.

— As robots increasingly join people on the factory floor, in warehouses and elsewhere on the job, dividing up who will do certain tasks grows in complexity and importance. People are better suited for some tasks, robots for others. In some cases, [it is advantageous to spend time teaching a robot to do a task](#) now to reap the benefits later. Researchers in the Robotics Institute (RI) have developed an algorithmic planner that helps delegate tasks to humans and robots.

— [Researchers took an all-terrain vehicle on wild rides](#) through tall grass, loose gravel and mud to gather data about how the ATV interacted with a challenging, off-road environment. The resulting dataset, called [TartanDrive](#), includes about 200,000 real-world interactions. The data is believed to be the largest real-world, multimodal, off-road driving dataset, both in terms of the number of interactions and types of sensors and could be useful for training a self-driving vehicle to navigate off road.

CONGRATULATIONS!

— The recipient of the **Mark Stehlik SCS Alumni Undergraduate Impact Scholarship** for 2022 is **Nabi Efe Cekirge**. Efe has contributed much to CMU in a short time: in addition to high academic achievement, Efe is working on two minors, has done research with Marijn Heule for a summer plus a semester and has TA'd 15-451 this semester and will continue to TA next fall. In addition, he is the current co-lead of the No Parking Players, a CMU improvisation troupe that has been a source of entertainment at CMU for decades. He taught a StuCo on improv comedy for the past two semesters and will continue to do so next year. Efe is a serious student and someone who always tries to make our community a better place.

— The recipient of the **Scott Robert Krulcik Scholarship** for 2022 is **Edward Garemo**. Edward is a CS major who completed his degree this month. He embodies all of the traits that remind us of Scott and has made a great impact in our program to support students as a 15-151 TA, tutor, mentor and leader through his work outside of classes. One example is his co-leadership of CareerFear, an international career-workshop platform with more than 100 volunteers who serve 10,000 students across the United States, United Kingdom and United Arab Emirates.

— **Neo Chen, Peng Dou** and **Daniel Zellmer**, all pursuing master's degrees in the Institute for Software Research, competed in the Community of Information Technology Architecture Practitioners (CITAP)'s [Student IT Architecture Competition](#). Their "Outback Pack" team achieved first place among 13 finalist teams that were selected from a total of 20 teams.

COMING UP...

— The annual Software Engineering Institute (SEI) Research Services High Tea will take place on Wednesday, June 8, 2 - 4 p.m. This year's event, "The Future of Artificial Intelligence Engineering," will be [held virtually via Zoom](#). Keith Webster and Huajin Wang will present a joint talk on the impact of AI on libraries.

Until June 8,
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REMEMBER YOUR RESOURCES

Connect with a [Dean's Advisory Committee](#) if you have questions or concerns you want to share.

Connect with a representative leader from [SCS Council](#) if you'd like to submit a topic for Council to consider.

Coronavirus [Updates & Information](#) and [FAQs](#)

[SCS Alerts & Resources](#) | [For Students](#) | [For Staff](#) | [For Faculty](#) | [For Researchers](#)