

SCS WEDNESDAY WIRE | DECEMBER 7, 2022

A midweek update from the SCS Dean's Office

HURRY: [TECHNICAL.LY AWARDS 2022 VOTING ENDS AT 5PM](#)

— Jessica Hammer's new Center for Transformation Play, Matthew Johnson-Roberson (RI) and Theresa Richards (Girls of Steel Robotics) are up for Technical.ly Awards. [Select the Pittsburgh market and vote](#) before 5 p.m. today!

SCS NEWS

— Research from the [Robotics Institute \(RI\) aims to eliminate the "simulation-to-real" transfer gap](#) by developing a realistic simulator that integrates robot dynamics with vision-based tactile sensors by modeling the physics of contact. The research team includes [Wenzhen Yuan](#), an assistant professor in RI and director of the [RoboTouch Lab](#); RI Ph.D. students Zilin Si and Arpit Agarwal; Zirui Zhu, an undergraduate student from Tsinghua University; and Stuart Anderson, a Meta research engineer who earned his Ph.D. in robotics in 2013.

— David Touretzky, a research professor in the Computer Science Department (CSD), and collaborator Christina Gardner-McCune, an associate professor at the University of Florida, have helped develop new activities for teaching artificial intelligence to elementary, middle and high school students. [They co-authored the first titles in a collection of activity resource guides](#) launched by the [Artificial Intelligence for K-12 Initiative](#).

— A team from RI recently [demonstrated the integration of perception and action](#) needed to allow a robot to track the progress of a human partner at an assembly task and anticipate the partner's next move.

— The Institute of Electrical and Electronics Engineers ([IEEE](#)) [has elevated three CMU professors affiliated with SCS to the rank of fellow](#). Yuejie Chi, Florian Metze and Shinji Watanabe join a list of select IEEE members who have demonstrated extraordinary accomplishments in one of the organization's fields of interest.

ENABLE - A CMU RETAIL & SERVICES COLLABORATIVE

— Tuesday, December 13, 1 - 2 p.m., Innovating In-Store Experiences: Fusing Physical & Digital in Consumer Spaces. This free, virtual panel discussion [requires advance registration](#).

PH.D. STUDENTS: REGISTER NOW FOR 3MT

— Three Minute Thesis (3MT) is an internationally recognized competition that challenges Ph.D. students to present a compelling oration on their thesis and its significance in just three minutes, in language that anyone can understand. 3MT is not an exercise in trivializing or "dumbing down" research, but requires students to consolidate their ideas, crystallize their research discoveries, and capture the imagination of their audience. Find more information at the [3MT website](#). And be sure to [register before January 13](#).

CONGRATULATIONS . . .

. . . to Maarten Sap, an assistant professor in the Language Technologies Institute (LTI), and LTI Ph.D. student Xuhui Zhou for earning a [Dynabench Data Collection and Benchmarking Platform award from Meta Research](#) for their work to create context-aware toxicity-detection systems for digital content.

. . . to Ranadeep Singh, Vishhvak Srinivasan and Ilyas Bankole-Hameed, all master's of artificial intelligence innovation students in the LTI, for winning [the Graduate Entrepreneurship Club's Hack-a-Startup competition](#) last month for their project HyPer.ai, a generative AI system that writes hyper-personalized emails and LinkedIn messages for users.

Until next week,

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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 Faculty & Staff](#) | [For Researchers](#)