Center for Networked Systems at UC San Diego
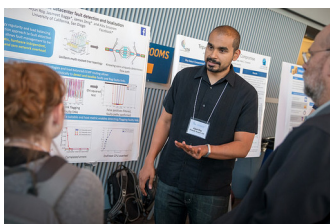Spring 2017 Newsletter

(Above) CNS Fall 2016 Research Review took place Oct. 13-14 (see story below). The next is set for Oct. 19-20, 2017. Want to attend? Contact Jennifer Folkestad, cns@ucsd.edu or 858-534-5948.

Center for Networked Systems - News - Spring 2017

Research

Innovating in Networked Systems
Researchers affiliated with CNS will present at the 14th USENIX Symposium on Networked Systems Design and Implementation (NSDI 2017), which takes place

New Members

New Faculty Join CNS

CNS now counts 22 faculty

members following the

Students

Student Attends Grace

Hopper on CNS Award

Second-year CSE M.S.

student Mansi Malik received

March 27-29 in Boston. Ph.D. student Arjun Roy (pictured at CNS Research Review) co-authored one of the papers with professor Alex Snoeren.

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Battery Control to Cut Utility Costs
CNS postdoc Alper Sinan Akyurek (pictured) and CSE Prof. Tajana Rosing develop control algorithm to cut utility cost of actual building by 50 percent compared to batteryless power solution.

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People

Top Women in Networking and Communications
CNS faculty member KC Claffy, founding director of SDSC's Center for Applied Internet Data Analysis (CAIDA), made the list of 10 top women in networking and communications, compiled by N2 Women. The community of researchers cited Claffy's "seminal work on measurement, analysis, visualization and sharing of Internet data."

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addition of CSE assistant professors Deian Stefan and Aaron Schulman to their ranks. Both work in the systems area.

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Alumni

The Graduate Behind Pokémon GO
Last October, CNS organized a lecture on campus by CSE alumnus Edward Wu (B.S. '04), senior product manager at Niantic, the Google spinoff behind the mobile phone-based game craze, Pokémon GO. His former professor, Geoffrey Voelker, invited Wu to speak at CNS's Fall 2016 Research Review. Wu got his first taste for programming computer games in Voelker's CSE 125 course. Watch Wu's talk, or read about it (click on Read More).

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a CNS award to attend the 2016 Grace Hopper Celebration of Women in Computing last October. She was one of 35 UC San Diego students at the meeting in Houston, TX. "It was an honor to represent both CNS and Graduate Women in Computing," said Malik.

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Scholar Meets the 'Other' Turing
The first student recipient of CNS's Alan Turing Memorial Scholarship, Valeria Gonzalez (pictured at left), attended a talk by Sir Dermot Turing, the geneticist-turned-lawyer and nephew of computer science pioneer Alan Turing. Together with CNS administrator Jennifer Folkestad and former CNS staffer Kathy Krane, Gonzalez met with Sir Dermot after his talk.

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Publications

NAE Elects Former CNS Member

Former CSE Prof. George Varghese (pictured at a CNS research review in 2008) was on the UC San Diego faculty from 2000 to 2012. Now at UCLA, Varghese was elected to the National Academy of Engineering for his work on "network algorithmics that make the Internet faster, more secure and more reliable."
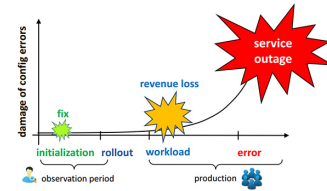
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Alum Wins Dahl-Nygaard

CSE alumnus Ross Tate (Ph.D. '12), who did his doctorate under CNS and CSE Prof. Sorin Lerner, is one of two winners of the Dahl-Nygaard Prizes for 2017. Now a professor of computer science at Cornell University, Tate was cited for his "fundamental contributions to type systems with applications to object-oriented languages."

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Research Review

Best Paper on Operating Systems

CNS researchers including CSE Prof. Yuanyuan Zhou and first author Ph.D. student Tianyin Xu received the Best Paper award at the 12th [USENIX Symposium on Operating Systems Design and Implementation](#) (OSDI 2016) in November. Their winning paper, "[Early Detection of Configuration Errors to Reduce Failure Damage](#)", presented PCHECK, a tool to analyze source code and automatically generate configuration checking code (called 'checkers').

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Photo Finish to Fall Research Review

Last October, CNS held its Fall 2016 Research Review. To see photos of the two-day meeting, [visit the CNS image gallery](#) or click on Read More to download images from our Flickr photostream.

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Any questions please contact:
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