



SC16's SCinet Innovating the Network for Data Intensive Science Workshop and the Network Research Exhibition



(Graphic: Business Wire)

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SALT LAKE CITY--(BUSINESS WIRE)--SCinet's third annual [Innovating the Network for Data-Intensive Science \(INDIS\) workshop](#) starts Nov. 13 during SC16 in the Salt Palace Convention Center in Salt Lake City.

The SC16 INDIS [program](#) features a full day of demonstrations of emerging computing and storage technologies, including software-defined networking (SDN), software-defined exchanges (SDX) and OpenFlow. These technologies are changing how SCinet, universities, supercomputing centers, data centers, networks and clouds operate. Registration is still open for this full-day workshop through the [SC16 registration portal](#).

The day will start with a panel discussing the future of network innovation in SCinet in relation to the exhibits. The panel will be led by Cees de Laat, professor of computer science at the University of Amsterdam and co-chair of INDIS, and Brian Tierney, staff scientist at the Lawrence Berkeley National Laboratory and co-chair of the Network Research Exhibition (NRE). "I am excited to note that there are now four innovation tracks being developed within SCinet: Corsa, CoreFlow, OTN ring and SDN," de Laat said. "This is exactly why INDIS was created three years ago—to spawn new innovations, making SCinet an exciting place for network researchers to participate in."

Six NRE demos will highlight the newest innovations in software-defined networking. Yatish Kumar from Corsa will deliver a keynote highlighting one of SCinet's internal innovations, including SDN futures, virtualization and predictable performance. The goal of NRE is to showcase technologies that will impact High Performance Computing and networking, and SCinet in particular.

Six demos were selected from a record number of submissions. "We received 37 NRE submissions this year, which is an all-time record," Tierney said. "It was quite difficult to select which NRE demos to highlight at INDIS. We tried to select a subset of demos that represent diversity of NRE."

The afternoon session will be led by Paola Grosso, assistant professor of computer science at the University of Amsterdam, and Malathi Veeraraghavan, professor of computer science at the University of Virginia. It will feature a keynote by Kuang-Ching Wang, professor of computer science at Clemson University, along with presentations of selected INDIS papers with topics ranging from software-defined networking (SDN) to innovations in network security.

"The future of exascale computing will require network innovation at multiscale," Grosso said. "The INDIS presentations in the afternoon will present cutting-edge research in this direction and show that network programmability and integration of networks with computing and storage are the key elements towards this future."

NRE demonstrations will also be showcased in the conference exhibit hall starting Monday evening when the exhibit hall opens. Titles, abstracts and booth numbers can be found [on the SCinet Research Demos page](#). SC16 attendees are encouraged to stop by the exhibit hall in the convention center to check out these new network technologies and innovations.

The program for INDIS, the accepted papers and the presentations can be found on the [SCinet INDIS website](#).

SCinet, the high-performance, experimental network built specifically for the conference, offers an unprecedented amount of bandwidth within the conference exhibit hall and connecting the convention center to the broader Internet.

Contacts

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