**NRE Call for Participation:**

We are all looking forward to SC23 in Denver, CO and the time to submit your Network Research Exhibitions is nearing. Researchers and professionals from government, education, research, and industry are invited to submit proposals for demonstrations and experiments at the SC Conference. Historically these demonstrations have showcased emerging network hardware, protocols, and advanced network-intensive scientific applications. Although a focus will continue to be on these areas, we also welcome submissions from any area of research that relies on high-performance networking and/or high-performance computing. Visit the NRE page at https://sc23.supercomputing.org/scinet/network-research-exhibition/ for more details.

The NRE team is ready to engage in one-on-one meetings with researchers, or potential researchers. Please reach out to the NRE team to set up a session via nre-xnet-leads@scinet.supercomputing.org.

## NRE Proposal Submissions

### Stage 1: Preliminary Network Requirements

Provide critical early input to the SCinet WAN team in terms of WAN bandwidth requests. Significant lead times are required to work with service providers and equipment vendors to plan, build and validate WAN circuits. Early input is key to ensuring that the network can meet the needs of NRE applicants.

The SCinet NRE team is working to bring a FABRIC rack and 5G to the show floor. These efforts are still in the preliminary phase. We are specifically looking for participants interested in leveraging these resources. Please indicate on the Network Resource Form that you are interested so that we can understand whether this initiative will benefit NRE participants.

- Submission format: On-line form
- Submission location: Network Resource Request Form https://forms.gle/uan4eNXNHkWysFQs9
- Submission deadline: **June 2, 2023**

### Stage 2: Preliminary Abstract

One-page document outlining the high-level goals and activities related to the proposal. Only a single experiment should be included. Additional experiments should be outlined in separate documents. As many details on sources and network needs should be included as possible.

- Submission format: Download Template https://tinyurl.com/sc23-nre-template
- Submission location: NRE Submissions Dropbox https://tinyurl.com/sc23-nre-submit
- Submission deadline: **June 2, 2023**

**Stage 3: Network Requirements**

Final document outlining the network requirements required for the planned exhibition, including sources (city, state, country of origin), bandwidth needs, VLAN requirements and destination booth drops.  Note that WAN bandwidth requests that differ significantly from those outlined in the Preliminary WAN Requirements and/or resources section of the Preliminary Abstract may not be able to be fulfilled.

- Submission format: Any relevant submission style will be accepted.
- Submission location: NRE Submissions Dropbox https://tinyurl.com/sc23-nre-submit
- Submission deadline: **August 4, 2023**

**Stage 4: Final Publishable Submission**

Two- to three-page submission with all relevant details of the activities, drawings and other research details. This document will be published on the SCinet NRE webpage.

- Submission format: Any relevant submission style will be accepted.
- Submission location: NRE Submissions Dropbox https://tinyurl.com/sc23-nre-submit
- Submission deadline: **October 23, 2023**

**Stage 5: Research Results and Findings**

Submission of findings and results of the demonstrations. These will be collected and provided to the INDIS workshop team for inclusion in the workshop for the following year. The handoff to INDIS will include the final publishable submission as well as the read-out of the demonstration(s) in terms of results.

- Submission format: Same as the Final Publishable Submission
- Submission location: NRE Submissions Dropbox https://tinyurl.com/sc23-nre-submit
- Submission deadline: **January 26, 2024**

As a reminder, it is critical to adhere to the above deadlines to ensure a successful SCinet demo.

**Stage 6: Booth information**
The NRE must be presented or demonstrated on the show floor, therefore you must be associated with an SC23 booth. SCinet will provide a Network Research Exhibition where research presentations can be scheduled.

Booth connections can be requested via the Connection Request System
https://scinet.supercomputing.org/crs/

https://scinet.supercomputing.org/crs/faq/

NRE participants receive a 50% discount on network services to your booth.

Please note: SCinet does not pay to power equipment at booths. The booth owner / researcher MUST pay for all power.

The NRE team will confirm receipt of submission documents and will start the review process. We will be in contact with the involved parties throughout the process.

We look forward to receiving your Preliminary Abstract on or before June 3rd. If you have questions prior to then, please contact us here: nre-xnet-leads@scinet.supercomputing.org.

**NRE FAQ**

1. Can you submit a proposal outside of network research?
    a. Proposals are open to more than just networking research.  If someone wants to demo some other type of research on the show floor and uses high performance networking and/or HPC as a key resource in that research, it can be included as a submission
2. Can you submit one proposal for multiple experiments?
    a. No, all experiments / demonstrations must be separate submissions
3. Does SCinet pay for network or power in the booth?
    a. No
4. Does SCinet pay for your NRE booth?
    a. No. SCinet offers 50% off network connectivity to your booth.
5. Do presentations / demonstrations have to be in person / at a booth?
    a. Yes, generally a demo representative must be available at a booth for the duration of the show to perform/explain the demonstration and be available to answer questions from attendees.
    b. If your organization does not plan to have a booth at SC please contact the NRE leads for more information about the SCinet Research Exhibition.
6. What is the preferred format for submissions?
    a. PDF is the preferred format.