

CENIC

Newsletter

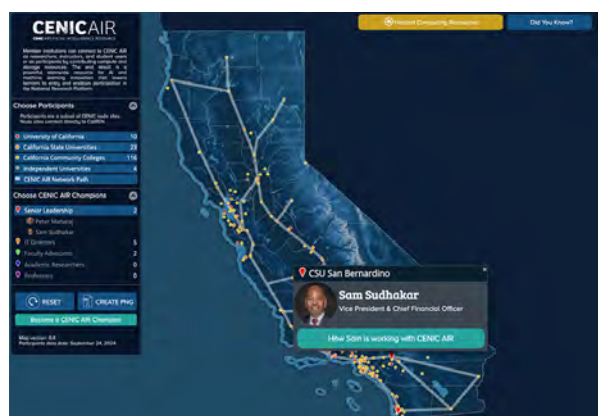
April 2025

In this newsletter, you'll find information on California's research and education communities in action via the high-performance network and services CENIC provides; how your colleagues are using these services; and information about networking-related events, funds, new programs, and awards.



Learn About CENIC AIR and Its Expanding Community with our new Champions Map

With our new [CENIC AIR Champions Map](#), you can perform a deep dive into [CENIC AIR](#) and its community of users and participants, including the following information:



- The **network routes** that link CENIC AIR resources and users together
- A list of **compute and storage resources** hosted at each participating institution, including CPUs, GPUs, and shared Terabytes of storage
- Invaluable insights from **CENIC AIR Champions**—senior administrators, IT leadership, facilitators, and faculty at early adopter institutions sharing advice for anyone wanting to know how their institution can participate in and benefit from CENIC AIR

If you would like to be featured as a CENIC AIR Champion and share your experience and advice with others, you can also [submit your own story](#) on how you or your institution is using CENIC AIR. [VIEW THE CENIC AIR CHAMPIONS MAP >](#)



NRP's Vision: Open National Infrastructure for Research & Education Beyond R1 Institutions

Frank Wuerthwein has a vision for the future of the National Research Platform (NRP), and he laid out those hopes during the recent Sixth National Research Platform Workshop ([6NRP](#)).

Wuerthwein, director of the San Diego Supercomputer Center ([SDSC](#)) at UC San Diego, shared how approximately 3,900 accredited higher learning institutions in the U.S. can be federated into a single system. He said the long-term goal is to create an open national infrastructure that allows the federation of cyberinfrastructure at all the nation's higher education institutions, non-profit research institutions, and national libraries. [READ THE ARTICLE >](#)

CENIC on the Path to a Native 800 Gbps California Research and Education Network Backbone

Thanks to its strong relationship with [Juniper Networks](#) at the highest levels, CENIC has also begun the process of achieving a native 800 Gbps backbone on geographically suitable segments that typically see heavy use.



In only the latest example of a long history of collaboration on behalf of CENIC member institutions, Juniper collaborated with CENIC to enable the deployment of its top-of-the-line [PTX10002](#) packet transport routers.

The first California Research and Education Network (CalREN) backbone sites slated to be equipped with these routers are the Los Angeles, Sunnyvale, and San Diego backbone hub sites. [READ THE ARTICLE >](#)

How CENIC AIR Enables Secure AI and Machine Learning Innovation

In a previous article, CENIC outlined [some of the topics](#) a campus must consider to take advantage of everything that CENIC AIR (and the National Research Platform or NRP) has to offer, including building bridges between faculty and campus IT departments, understanding your



faculty's IT needs, evaluating campus network connection options, choosing the right Science DMZ model for your campus, and finding funding.

However, the [Science DMZ](#) model itself sometimes raises questions about how network security can be maintained while also avoiding the big-data bottleneck that a campus firewall can create.

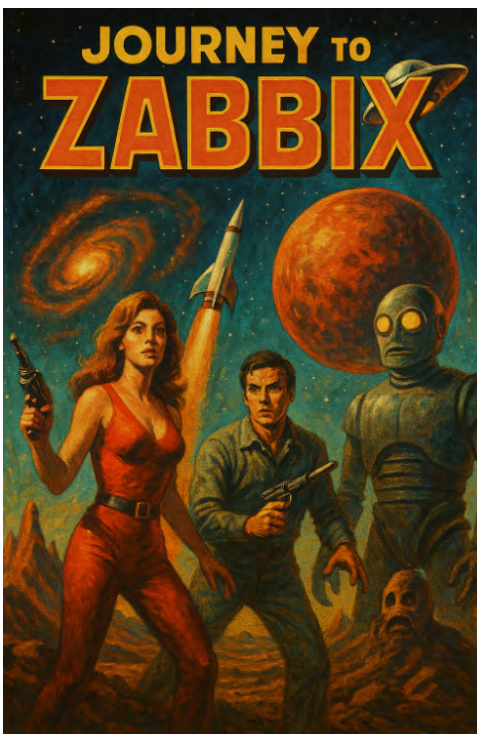
[READ THE ARTICLE >](#)

CENIC Welcomes New Board of Directors Chair Samuel Sudhakar, CSU San Bernardino

CENIC is delighted to announce Dr. Samuel Sudhakar as our next CENIC Board Chair, succeeding Sylvie Cosgrove as of 15 February 2024.



Dr. Sudhakar serves as the Vice President and Chief Financial Officer at [California State University, San Bernardino](#), where he provides visionary leadership to a broad range of administrative areas central to the core operations of the University, including Finance and Administrative Services; Information Technology Services, University Police Department which includes Parking & Transportation Services; Facilities Planning & Management, University Internal Audit, and Auxiliary and Business Services. [READ THE ARTICLE >](#)



Sign up for the C2TAG Zabbix Webinar for CENIC Members April 22, 11AM PT

CENIC recently transitioned its Network Monitoring System from ScienceLogic to [Zabbix](#), a move shared during our [C2TAG](#) meeting on January 30, 2025. The announcement sparked strong interest among our members, and now, we're diving deeper into the details with an exclusive webinar: "Journey to Zabbix."

Dennis Cagampan, CENIC's Director of Engineering will walk through the evolution of our Network Monitoring Systems, the evaluation process behind selecting Zabbix, and the challenges and successes of the migration. Bryan Barnett, CENIC's Lead Engineer in Operations, will demo the system, highlighting its capabilities. In addition, CENIC

architects and engineers will be on hand for a Q&A session. [REQUEST A ZOOM LINK >](#)



COMMUNITY NEWS

- [Vision 2030: A Roadmap for California Community Colleges](#)
- [FCC's New Broadband Fabric Now Governs High-Cost Program Oversight](#)
- [Kansas reclassifies broadband as critical infrastructure](#)
- [In the Field: AARNet, NORDUNet Global NREN Blog Showcases NREN Stories](#)
- [CSU Alumni experiences and industry expertise support student success](#)
- [46 UC researchers named AAAS fellows](#)
- [Schools relying on digital surveillance find security still takes a human touch](#)



EVENTS & PROGRAM OPPORTUNITIES

- [Journey to Zabbix: CENIC's Network Monitoring Evolution, April 22 11AM PDT](#)
- [2025 Internet2 CommEX25: Apr 28-May 1, 2025, Anaheim, CA](#)
- [Educause Security Professionals Conference: May 19–21, Baltimore, MD](#)
- [NANOG 94, June 9-11, Denver CO](#)
- [TNC25: June 9-13, Brighton, UK](#)
- [CCC Online Teaching Conference 2025: Jun 16-18, Long Beach, CA](#)
- [Link Oregon Annual Member Meeting: June 26, Wilsonville, OR](#)
- [APAN60, July 28–August 1, Hong Kong](#)
- [NORDUnet Community Workshop 2025, September 9–11, Copenhagen](#)

About CENIC | www.cenic.org

CENIC connects California to the world — advancing education and research statewide by providing the world-class network essential for innovation, collaboration, and economic

growth. This nonprofit organization operates the California Research and Education Network (CalREN), a high-capacity network designed to meet the unique requirements of over 20 million users, including the vast majority of K-20 students together with educators, researchers, and others at vital public-serving institutions. CENIC's Charter Associates are part of the world's largest education system; they include the California K-12 system, California Community Colleges, the California State University system, California's Public Libraries, the University of California system, Stanford, Caltech, USC, and the Naval Postgraduate School. CENIC also provides connectivity to leading-edge institutions and industry research organizations around the world, serving the public as a catalyst for a vibrant California.

This email was sent by:
Corporation for Education Network Initiatives in California
16700 Valley View Suite 400
La Mirada, CA 90638 US

[Privacy Policy](#)

[Update Profile](#)

[Manage Subscriptions](#)

[Unsubscribe](#)