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CENIC Newsletter

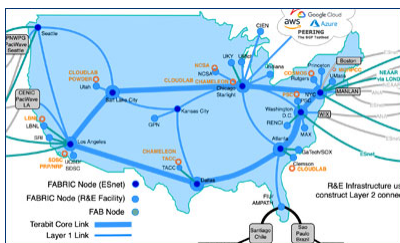
August, 2024



In this newsletter, you'll find information on how your K-20 research and education community is making use of the high-performance networking and services CENIC provides, how you and your colleagues are using these networking and services to participate in collaborations within California and beyond, other networking-related events, funding, programming, and awards.

Thanks for reading!

News from CENIC



Pacific Wave Supporting FABRIC Coast-to-Coast Terabit Testbed with Connections in Los Angeles and Seattle

[Pacific Wave](#) is pleased to support the NSF-funded [FABRIC](#) testbed with high-bandwidth connections ranging from 100 to 400 Gbps in Los Angeles and

Seattle. FABRIC is an international infrastructure that enables cutting-edge experimentation and research at-scale in the areas of networking, cybersecurity, distributed computing, storage, virtual reality, 5G, machine learning, and science applications. [READ THE ARTICLE >](#)

Digital Navigators at California's Public Libraries Help Bridge Broadband Divide

During CENIC's 2024 Biennial Conference [The Right Connection](#), a panel of experienced library and policy experts discussed the opportunities and challenges faced by digital navigators in expanding broadband access throughout the state.



During the panel, library professionals discussed how, given budget restrictions, most staff members are being trained to serve as digital navigators and guide those seeking help. But with 184 library systems statewide, a wider protocol is lacking for how to approach digital literacy. [READ THE ARTICLE >](#)



Answering Your Frequently Asked Questions about the CENIC AI Resource

This FAQ answers questions about the [CENIC AI Resource](#) both from faculty members who would like to use CENIC AIR for their research and instruction and from senior campus leaders and IT directors

responsible for architecting and deploying network infrastructure.

It includes an Introduction to CENIC AIR, questions about CENIC AIR for Research and Instruction, and Connecting Your Institution to CENIC AIR. [READ THE ARTICLE >](#)

SDSU's VERNE: Applying the CENIC AI Resource to Multi-disciplinary Instruction

When teaching courses in AI and machine learning, or other other data-heavy disciplines like computer engineering, computer science, data science, and software engineering, SDSU made an investment in a computing cluster for instructional use called the Visionary Education Research Network Environment (VERNE), offering advanced graphical processing units (GPUs) and storage made available via JupyterHub, an easy-to-use web-based environment for accessing these resources. [READ THE ARTICLE >](#)



Adaptive Teaching and Learning: AI in the



K-12 Environment

Artificial intelligence (AI) promises vast transformations of society, some of which make many people uneasy with their potential for replacing skills – and the workers who possess them – in a wide range of industries. Yet understanding AI is fast becoming a core competency

for the future.

That is why AI-enabled classrooms supported by the networking and services provided by CENIC are so exciting for Julie Judd, [Ventura County Office of Education](#) Chief Technology Officer and her colleague Dana Thompson, VCOE Director of Education Technology, who presented on AI's transformative role in K-12 education and administration during CENIC's March 2024 conference [The Right Connection](#). [READ THE ARTICLE >](#)

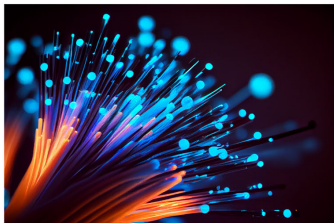
CENIC Network Automation Update: New Network-Source-of-Truth Tool Implemented

CENIC manages space in 61 colocation facilities across California. Within each colocation facility, CENIC engineers must be able to accurately document our physical infrastructure and other important information for all CENIC engineering teams and share this information with various automation platforms. These requirements create a strong need for a Data Center Infrastructure Management (DCIM) system and/or a Network Source of Truth (NSoT).

[READ THE ARTICLE >](#)



Community News



- [CSU Agreements with California Community Colleges Support Transfer Student Success](#)
- [What Happens Now That Universal Service Fund is Ruled Unconstitutional?](#)
- [ICANN reserved the top-level domain “. INTERNAL” for private-use applications](#)
- [Los Alamos machine learning model takes a big step forward in predicting earthquakes](#)

- [ACP Replacement Legislation Moves Forward in U.S. House and Senate](#)
- [New Report: Native Nations and Federal Telecom Policy Failures: Lessons from the Rural Digital Opportunity Fund \(PDF\)](#)
- [How CSU esports programs are preparing students to excel in the classroom and in their future careers](#)
- [UC Regents Approve New School of Computing, Information and Data Sciences at UC San Diego](#)
- [Senate Bill Aims to Streamline Broadband Permitting on Federal Lands](#)

Events & Program Opportunities



- SFJAZZ Educational Events, San Francisco, CA and Online [LEARN MORE >](#)
- 2024 NSF Cybersecurity Summit: Oct 7-10, 2024, Pittsburgh, PA [LEARN MORE >](#)
- UC Cyber Security Summit: Oct 9, 2024, Irvine, CA [LEARN MORE >](#)
- NANOG 92: Oct 21-23, 2024, Toronto, Canada [LEARN MORE >](#)
- Supercomputing 24: Nov 17-22, 2024, Atlanta, GA [LEARN MORE >](#)
- Internet2 2024 TechEx Early Bird Ends Soon: Dec 9-13, 2024, Boston, MA [LEARN MORE >](#)

[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:
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