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Quote of the Month

"As CENIC moves from a start-up entity with one project, CalREN-2, into a mature organization with a broad range of projects designed to serve the needs of the broader research and education community across California, the Board has recognized the need for a more robust organization. I am pleased to seek your help in locating good candidates for the newly announced position as Chief Operating Officer for CENIC."

Tom West, President.

CENIC News

CENIC Board Reorganizes Operation

As a result of the rapid growth and development of CENIC, the Board has recognized that additional effort is needed so that CENIC remains able to meet its numerous challenges. The Board has approved a new organizational structure employing both a President and a Chief Operating Officer. Tom West will continue as President and a search has been launched for a Chief Operating Officer (COO). In addition, the position of Chief Technical Officer has been created to be responsible for technical operations.

CENIC's new organization calls for an executive office consisting of the President and the Chief Operating Officer. The President will focus on the overall vision, business strategy development and external relations. The President is the primary link between the Board and the internal CENIC organization and staff. The COO's role and functions, described below, will focus on implementing the overall programs and operations of CENIC. He/she will work closely with the President to develop the strategies and vision. The chair of the COO search committee is Board Chair John Silvester of USC. Other members include: John Charles, David Ernst and Jack McCredie. The search will commence immediately and conclude sometime in early spring

The third key position in the organization is the Chief Technology Officer (CTO). The CTO reports directly to the COO and has the major responsibilities for development, implementation and operation of the technical aspects of CENIC's operations.

The proposed organization builds on the current operations and functions of CENIC. The principles of CENIC remain the same:

- 1. CENIC will continue to serve as the primary mechanism to develop network services for research and education in California and its participation in Internet2 and other national and international networking infrastructure.
- 2. CENIC Charter Associate Universities, especially UC and CSU, will have an obligation to the State of California and its citizens to meet the advanced network service needs of the researchers, faculty and students in public K-20 institutions throughout the State.
- 3. The diverse missions and programs of the CENIC Charter Associate Universities will be honored in the overall CalREN strategy.
- 4. Every effort will be made to achieve financial efficiencies to demonstrate the value of belonging to CENIC.
- 5. The future CENIC financial plans will be developed to reflect the framework and the costs to a CENIC Charter Associate will be applied according to its level of participation of each service tier.
- 6. CENIC will continue to draw on or contract with the Charter Associate Universities for staff and with outside firms, as appropriate.

CENIC Seeks Chief Operating Officer

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The Chief Operating Officer (COO) reports directly to the President and oversees general operations and management of CENIC. The COO is responsible for the effective and efficient operations and quality services of the corporation and acts for the President in his/her absence.

The Chief Operating Officer's scope of responsibilities includes day-to day oversight and management of the following functions: applications coordination for higher education; DCP applications coordination; communications/public relations; CENIC associates program; financial services; administrative support; and, legal services.

In addition, the Chief Operating Officer will

- oversee the work of the Chief Technology Officer;
- work with the President and CTO on developing the strategic direction and plans for the future; work with the CENIC Business Advisory Council and others to ensure the successful planning, development and implementation of financial services and community public relations activities;
- work with Applications Advisory Council and others to ensure the successful coordination and support for researchers, faculty, students and staff using CalREN services;
- report on the work of CENIC financial management activities to the President and to the Board, as appropriate; advise the President on matters related to the CENIC;
- represent the President and CENIC, as requested;
- develop and maintain the CENIC project/activity "outcomes report" for all management administrative activities as appropriate to inform CENIC staff and clients of on-going status of all CENIC endeavors;
- and, prepare and submit written and oral progress reports, as requested.

This position requires: meeting employment qualifications of at least one of the CENIC Charter Associate universities; demonstrated successful senior management in education; demonstrated project management skills and experience; demonstrated financial management knowledge and skills; strong management, planning and decision-making skills; excellent organizational and written/verbal interpersonal communications skills; and, individual initiative and a strong commitment to the advanced networking needs of the research and education community throughout California

Preferred attributes:

- knowledge of California K-20 education in California;
- knowledge of organizations involved in research and education networking; and,
- knowledge of issues associated with missions and programs of educational technology K-20.

Dave Reese Appointed CENIC CTO

Tom West and the CENIC Board are announcing appointment of Dave Reese, who has been serving as Chief Network Architect of the Digital California Project, as Chief Technical Officer for CENIC. Reese will report directly to the Chief Operating Officer and will oversee all the tactical planning, design, implementation and operations of CENIC's advanced network services.

Reese has also been Director, Network Administration and Planning for the CSU Office of the Chancellor. In that position, he is responsible for system-wide leadership in the selection and deployment of networking technology, the \$15.4 million budget of 4CNet, project planning, budget preparation, bid preparation and review and tracking technology trends.

Starting in the early 1980's, Reese has overseen the growth of networking in the CSU from a small, two person network staff to today's staff of 21 full-time employees and 2 outside contractors who provide the administrative, planning, engineering, and 7x24 operations functions for 4CNet. In 1991 Reese was lead manager in the procurement and installation of T1 switching equipment as both a performance and technology upgrade for CSUnet. This network upgrade led to CSU's provision of video conferencing services on the network. The increasing demand for those services, led Reese to design and implement a scheduling system still used today (with continued enhancements, of course).

In 1995, Reese oversaw the upgrade of the network architecture to DS-3 (45Mb) circuits and a private ATM network supporting TCP/IP data and two-way compressed video conferencing, including multi-point conferencing services. This expansion led to the California community colleges connections to the network and renaming the network. In 1998 Reese supervised another procurement for high-speed transport, both Inter- and Intra-LATA, and co-location facilities for the 4CNet backbone. The subsequent installation of OC-3c (155Mb) and OC-12c (622Mb) Inter-LATA circuits into facilities co-located in the carrier's POP (Point of Presence), and three private OC-48 SONET rings serving the CSU campuses in the San Diego, Los Angeles, and San Francisco areas. This, the first move of a large University network into external facilities, is now the model sought out in the deployment of Internet2 regional networks (also known as 'Giga-POPs') throughout the United States.

As CTO, Reese's responsibilities include day-to day oversight and management of the following functions:

- network planning and development;
- network design and engineering;
- operations for all CENIC networks;
- peering and ISP services;
- planning and implementation of technical aspects of network projects (e.g. DCP and ONI); and,
- projects management.

In addition, he will develop strategic directions as part of the CENIC executive team; work with the CENIC Technology Advisory Council and other groups to ensure the successful planning, development and implementation of new advanced network services and infrastructure; and report on the work of CENIC technical activities and projects.

About CENIC

CENIC is a not-for-profit corporation formed by the California Institute of Technology, the California State University, Stanford University, the University of California, and the University of Southern California to

facilitate and coordinate the deployment, development, and operation of a set of seamless and robust advanced network services. The CENIC Associates program offers qualified companies the opportunity to collaborate with CENIC in pursuit of the goal of providing the most advanced network services for research and education. Cisco Systems, Nortel Networks, Pacific Bell, and the University and Community College System of Nevada are CENIC's Partner Associates.

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