The National Center for Supercomputing Applications (NCSA) is seeking a Deputy Director (DD) to develop and support the center’s major directorates. The DD is the highest ranking position at NCSA that reports to the NCSA Director, with broad authority and responsibilities delegated from the director across all NCSA units. The DD, following strategic direction from the director, will have broad responsibility for strategic development, for execution of the strategy, and for operations, of all major NCSA activities.

NCSA advances discovery and innovation through extreme-scale computing, science-enabling software, and the skills of our expert staff. The center is part of the flagship University of Illinois at Urbana-Champaign—a world leader in research, teaching, and public engagement—and is located in a micro-urban community that combines cultural vibrancy with affordability and quality of life.

NCSA recently developed a five-year strategic plan. NCSA 2020 positions the center to continue its national leadership role in advanced cyberinfrastructure and its applications and to create an environment that supports a leading 21st century research and education center around complex problems that drive research, education, and innovation at NCSA and beyond. The DD will work with the director on developing and supporting NCSA’s major directorates, including (a) interdisciplinary research and education driven by faculty and NCSA staff, (b) integrated cyberinfrastructure (including data, computing, networking, cybersecurity, and software), and (c) economic development, including its Private Sector Program.

The DD will work closely with the director, other senior staff at NCSA, the university’s Vice Chancellor for Research, deans, and unit executive officers, and leaders of major national and international projects to enable synergistic relationships and to grow and advance the center according to the goals of the strategic plan. The DD will have primary responsibility of supporting the director and the broader center, university, and national communities to further develop NCSA’s vision and to guide its execution.

**KEY RESPONSIBILITIES**

- Work with NCSA’s director, chief scientist, and other NCSA senior staff to refine strategic planning and develop functional execution plans to realize NCSA’s vision.
- Work with senior NCSA, campus, state, and multiple federal agency officials to explore and plan new projects and funding opportunities.
- Oversee and support the development of newly envisioned units, including Research and Education (R&E), Integrated Cyberinfrastructure (ICI), and Economic Impact (EI), including working with the director, executive directors, chief scientist and leaders of these units to create new operational, management, and budget plans to ensure their success.
- Support NCSA’s role in creating a 21st century research computing environment at the university, connecting major research units on campus with those in the region and nation.
- Ensure that major research and infrastructure projects awarded by federal agencies, such as Blue Waters, XSEDE, and others, are well supported by NCSA and integrated with appropriate campus and NCSA units.
- Ensure effective operations of NCSA administrative units, working with the executive directors, including creating and executing new processes for operations that best support NCSA’s strategic plan, in alignment with the campus strategic plan.
- Work with the senior NCSA staff, and particular the NCSA executive directors, to coordinate with (and between) all NCSA
technical, research, and education teams and their partners, providing a continuous flow of information, enabling effective communication and collaboration between the groups.

- Work with NCSA and campus leadership to develop metrics and milestones for NCSA success and to measure progress toward them.
- Forge new and strengthen existing strategic partnerships with other institutions, laboratories, disciplinary communities, and industry across the region, the nation, and the world. These partnerships will include national labs, key disciplinary leaders and projects, industry, national communities, and partner universities.
- Work with NCSA's director and executive directors to ensure effective relationships are maintained with the state of Illinois; assist in advancement and fundraising efforts on behalf of NCSA and the campus.
- Monitor progress and ensure the success of existing projects and partnerships. Work with NCSA's senior advisor for international programs to support development of strategic international partnerships. Develop new partnerships as needed to achieve strategic NCSA goals.
- Chair the NCSA Executive Committee, which will meet weekly to coordinate and execute actions across the center.
- Lead projects in research or cyberinfrastructure development and application in the areas of interest of the DD.
- Supervise key leadership personnel, including assigning project work and completing employment processing approvals.

**REQUIRED EDUCATION AND EXPERIENCE**

- Bachelor's degree in engineering, physical and life science domains, computer science, business administration, or related field. Alternative degree fields will be considered/accepted if accompanied by equivalent experience (depending on nature and depth of experience as it relates to current NCSA activities).
- At least 10 years of experience as a successful senior executive of an organization with similar characteristics to NCSA, including building, growing and managing its personnel and budgets and creation of new interdisciplinary programs.
- Strong communication skills, both writing and speaking. Ability to effectively and persuasively communicate in real time, under pressure and/or with preparation.
- Knowledge and sustained record of interactions with major national funding agencies, most importantly the National Science Foundation.

**PREFERRED EXPERIENCE**

- Master's degree or PhD preferred in engineering, physical and life science domains, computer science, business administration, or related field. Alternative degree fields will be considered/accepted if accompanied by equivalent experience (depending on nature and depth of experience as it relates to current NCSA activities).
- Recognized leader in multiple areas of high-performance computing, software, data-intensive science, and/or their applications across a variety of applications in multiple disciplines.
- Experience in leading and participating in major research and infrastructure projects, at the national and university level.
- Track record of working with a mixture of faculty, staff, postdocs, and graduate and undergraduate students, including acting as a mentor and/or supervisor for all of the above.
- Demonstrated leadership in developing and supporting multidisciplinary collaborations across all areas of science, engineering, social sciences, and humanities, and in getting diverse teams to work together collaboratively and effectively.
- Demonstrated successful experience working with international partners in establishing and implementing collaborative projects.
- Demonstrated successful experience working with industry and/or creating new businesses based on technology developed from the programs in your portfolio.

This is a regular academic professional position at NCSA and is an annually renewable, 12/12, 100%-time appointment with regular University benefits. Salary is commensurate with experience and start date will be as soon as possible after the close date of the search. Applicants must possess required education and experience by start date of position. Interviews may occur before the closing date; however, all applications received by the closing date will receive full consideration.

To apply, please create your candidate profile at http://jobs.illinois.edu and upload your CV/resume by the close date (July 31, 2015). Contact information for three references must be included on the application (letters may also be uploaded or sent to the contact below). For full consideration, candidates must complete the application process by the above date.

Illinois is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, sexual orientation, gender identity, age, status as a protected veteran, or status as a qualified individual with a disability. Illinois welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity.