

Clemson University
Director of the Dominion Energy Innovation Center (EIC)
North Charleston, SC

<http://www.clemson.edu/cecas/departments/charleston/energy/index.html>

The Dominion Energy Innovation Center is the focal point for industry-based research and testing projects related to energy conversion and grid integration. The Dominion Energy Innovation Center houses the world's most advanced wind turbine drivetrain testing facility capable of full-scale highly accelerated mechanical and electrical testing of advanced drivetrain systems for wind turbines, and also the Duke Energy Electrical Grid Research Innovation and Development (eGRID) Center, a facility with real-time simulation and 20MVA hardware-in-the-loop capability.

Position Description:

The Director of the Dominion Energy Innovation Center will be a proven senior leader with considerable industry and/or research and development experience in the energy sector. Academic experience and/or working in an academic environment is a plus, but not a substitute for industry and/or research and development experience. The Director will have demonstrated leadership in large scale research, testing and capital projects, project management and budgeting, management of personnel, safety and compliance management, and strategic planning. The EIC Director will report to the Vice President for Research and will be responsible for:

Management

- Responsible for all aspects of management of personnel and projects at the EIC (e.g., ensures compliance, safety and successful execution from the inception phase through completion of projects, on-time and within budget; manages all personnel, logistics, and schedules; etc.)
- Responsible for the overall financial health and fiscal planning of the EIC for annual budgets as well as future upgrades and investments
- Collaborates closely with the Director of Educational Programs at CURI and other stakeholders; develops and executes a plan for integration of undergraduate and graduate students, research and T/TT faculty, and postdocs into the activities at the EIC
- Provides timely communication and updates regarding projects to CURI and university leadership.
- Work collaboratively with the CURI site director and Clemson University officials to ensure the EIC facilities are well-maintained and provide needed functionality and 24/7 availability.

Strategic Planning

- Establish a (technical and leadership) professional advisory board (PAB) for EIC

- Develop and execute a strategic plan for EIC in consultation with PAB and Clemson Executive Leadership Team to ensure Clemson is at the cutting edge for advanced wind turbine drivetrains, grid integration, and cybersecurity, as well as assessing the needed technological investments, upgrades and testbeds needed at the EIC for the next decade.
- Work with the Director of Educational Programs at CURI and other stakeholders to develop a plan for integrating educational activities, programs, and objectives to the EIC strategic plan.

Business Development

- Secure business for the 7.5MW Drivetrain test bed, 15MW Drivetrain test bed, and eGRID.
- Cultivate new customers and maintain relationships with existing customers.
- Engage with industry and government agencies to ensure Clemson is a world leader in the energy sector and well-positioned to provide testing services and execute successful research grants and contracts.
- Engage with other CURI personnel to develop strategies for future business and funded research.
- Identify significant opportunities, and build collaborative teams to write successful grants, execute projects, and meet deliverables while creating new knowledge and scholarship.

Requirements:

- Master's degree in ECE or ME
- Certification as a P.E. or in Project Management preferred
- 15-20 years industrial or lab operations experience, energy sector preferred
- 5+ years management experience
- Skilled in project management and strategic planning
- Understands safety and quality
- Be able to seek collaboration, combined with the desire to work in a satellite location and environment separate from the main campus.
- Be a problem solver who can take the initiative and set priorities while being flexible, and a team-oriented strategist able to effectively manage complex situations involving numerous, and sometimes competing, constituencies
- Have an advocate's belief in the vision of Clemson, CURI, and the Energy Innovation Center

Why consider this opportunity?

- Clemson University is comprised of a unique and accomplished student body. It is one of the most selective public research universities in the United States.
- Clemson is at the cutting edge of higher education, research, economic growth and innovation.

- The future of CURI is bright. It has made solid progress in its research, education and engagement efforts and activities. In addition, CURI's faculty, staff and students have had significant successes.
- Key decisions for CURI begin with leadership and operations. The CURI strategic plan will provide this leadership with high-level institutional priorities for (1) research, (2) education, and (3) engagement.
- The CURI Campus is located in the desirable town of Charleston, SC. However, the CURI culture reflects Clemson University's main campus culture, yet with an entrepreneurial component.

Company Description

The Clemson University Restoration Institute (**CURI**) campus in North Charleston, SC, is the site of the Zucker Family Graduate Education Center, the Dominion Energy Innovation Center, and the Warren Lasch Conservation Center.

The Zucker Family Graduate Education Center is home to Clemson's graduate academic programs related to engineering and computing. The center provides graduate programs (Masters and Ph.D.) in areas including electrical, mechanical, and computer engineering; computer science; and digital production arts. An undergraduate capstone design semester has been recently initiated, and the campus also has an active summer intern program. Currently, nearly 70 part-time and full-time graduate students are enrolled in classes at Zucker.

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The Warren Lasch Conservation Center is the home of Clemson's programs to conserve historically significant objects, particularly those that are exposed to extreme environments, such as those found in the coastal Charleston area. Emphases include corrosion and conservation of materials, such as metals, textiles, and wood, and archiving and curating the projects from an archaeological and anthropological perspective. The US civil war era submarine, the H.L. Hunley, is perhaps the most widely recognized project on-going at the center.

About Clemson University:

- Clemson is the land-grant institution for the State of South Carolina.

- Enrollment includes approximately 20,000 undergraduates and 5,600 graduate students; a faculty of almost 1,700 and staff of 3,875 support 70 undergraduate degree offerings, 67 master's degree programs, and 46 Ph.D. programs.
- Seven interdisciplinary colleges house strong programs in architecture, engineering, science, agriculture, business, social sciences, arts, and education.
- Clemson has an annual operating budget of approximately \$956 million and an endowment of \$759 million fund programs and operations.
- The University has externally funded research expenditures of \$100 million per year.

Application Instructions

To apply for this position all application material must be submitted via Interfolio (<http://apply.interfolio.com/74538>)

Please address questions, nominations, and inquiries to the attention of:

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AND

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