

Faculty of Electrical Engineering (IoT Systems for
Sustainable Development)
VinUniversity

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Posted Nov. 13, 2025, set to expire Mar. 15, 2026

Job Title	Faculty of Electrical Engineering (IoT Systems for Sustainable Development)
Department	VietNam
Institution	VinUniversity Ha Noi, , Vietnam
Date Posted	Nov. 13, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Research Professor Lecturer/Instructor Core Faculty Assistant Professor Senior Lecturer Associate Professor Professor
Academic Field(s)	Mechatronics Mechanical Engineering Engineering Mechanics Electrical and/or Electronics Computer Engineering
Job Website	https://legacyofexcellence.vinuni.edu.vn/
Apply Online Here	https://vinuni.talent.vn/job/faculty-of-electrical-engineering-iot-systems-for-sustainable-development-9809
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Job Description

ABOUT VINUNIVERSITY

VinUniversity (VinUni) is the first private, not-for-profit Vietnamese university established based on international standards. The university integrates the models of excellent international universities with the unique cultural and economic characteristics of Vietnam, to make a breakthrough in Vietnamese higher education and to become a world-class university.

The University has built strategic collaborations with Cornell University and the University of Pennsylvania — a choice that speaks to our commitment to excellence, innovation in research and teaching, and to making a difference in the world. VinUni comprises of College of Arts and Sciences; College of Business and Management; College of Engineering and Computer Science; and College of Health Sciences.

VinUni's founding benefactor - Vingroup is one of the biggest private conglomerates in Asia with the largest market capitalization value in Vietnam. As a multisector corporation, Vingroup focuses on three main areas: Industrials & Technology; Real Estate & Services; Infrastructure; Green Energy; and Social Enterprises.

In September 2024, VinUni became the youngest and fastest university in the world to achieve QS 5 stars, earning 5 stars in 9 categories: global engagement, good governance, program strength, academic development, teaching, employability, facilities, arts, and social impact. In October 2024, VinUni was appointed by UNESCO as the first and only UNESCO University Chair, focusing on Environmental Leadership, Cultural Heritage, and Biodiversity.

On our journey to become one of the world's top 100 universities, VinUni is building a dynamic ecosystem of innovation and discovery. Through strategic investments in world-class research centers, state-of-the-art facilities, and transformative technologies, the university empowers collaboration across disciplines, strengthens partnerships with industry and society, and nurtures a thriving global network, who spearheads advancements in AI/Machine Learning, Data Science, Environmental Intelligence, Innovations in Health Sciences, Policy Development and Sustainable Societies.

ABOUT THE POSITION

Faculty members of Computer Science at The College of Engineering and Computer Science (CECS)

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will have the opportunity to work in affiliation and collaboration with Smart Green Transformation Center (GREEN-X).

They will Lead the design and development of smart IoT and embedded systems for environmental and sustainability applications (carbon emission estimation, anomaly detection, real-time monitoring). Develop and maintain IoT and automation systems for CFMMS, SMAS, and SmartWaste; contribute to prototype development and field validation.

We welcome applications from those with expertise in or across these disciplines: Environmental Monitoring and Assessment; Pollution Control and Environmental Remediation; Waste Valorization and Resource Recovery; Life Cycle Assessment (LCA) and Emission Factor Analysis

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

The College of Engineering and Computer Science (CECS) at VinUniversity provides a rigorous academic foundation and extensive opportunities for interdisciplinary, application-oriented research and learning.

In collaboration with seven research centers, CECS combines an international-standard curriculum with state-of-the-art facilities and strategic industry partnerships, particularly within the Vingroup ecosystem, to cultivate an academic environment that catalyzes technological and scientific breakthroughs.

ABOUT SMART GREEN TRANSFORMATION CENTER (GREEN-X)

Smart Green Transformation Center (GREEN-X) at VinUni is an interdisciplinary research center focusing on smart green transformation, conducting scientific research, technology development, and policy consulting in areas such as carbon emission tracking, smart aquaculture, urban circular economy, green economic policy, and innovation competitiveness measurement - aiming to promote sustainable development and enhance the competitiveness of localities and businesses through data-driven, evidence-based, and field-validated approaches.

We are currently having 5 running projects:?

- Carbon Footprint Monitoring and Management System (CarbonFootPrint)?
- Smart Marine Conservation and Aquaculture System (SmartMarine)?

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- Smart Waste Management for Urban Circular Economy (SmartWaste)?
- Green Policy Design and Evaluation (GreenPolicy)?
- Vietnam Innovation & Green Growth Index (VIGGI)

POSITION REQUIREMENTS

The faculty members will be responsible for three primary responsibilities:?

Research

- Lead high-impact research with strong translational outcomes and publications in top-tier journals and secure competitive external funding.
- Foster interdisciplinary collaboration within and beyond the College through active engagement in academic events.
- Contribute to innovation, entrepreneurship, and technology transfer, including commercialization efforts.

Teaching

- Develop, plan, and deliver high-quality, accredited curricula for undergraduate and/or graduate programs.
- Prepare course materials, deliver lectures and tutorials, assess student performance, provide feedback, and supervise academic projects.
- Supervise research students and projects, and mentor junior faculty to support their professional

Service

- Contribute to university service through committee work, faculty recruitment, accreditation, and program development.
- Support initiatives aligned with VinUni's strategic goals and carry out duties assigned by the supervisors.

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KEY SELECTION CRITERIA

General Requirements (All Faculty Levels)

- **Degree:** PhD (or equivalent terminal/professional degree) from a prestigious university in one or more of the following primary areas: the Internet of Things (IoT), particularly in the design and integration of low-power sensor networks, robotics, and autonomous systems.
- **Teaching:** Demonstrated teaching ability and commitment to student-centered, active and authentic learning.
- **Research:** Evidence of scholarly achievement or strong potential through publications in reputable, peer-reviewed journals; engagement in international conferences or research collaborations; and commitment to developing an independent, externally funded research program.
- **Service/Industry Engagement:** Experience in multinational, multicultural, or start-up environments is highly valued.

Specific Requirements by Rank

- **Assistant Professor**
Postdoctoral or equivalent experience is preferable. Demonstrated potential for high-quality, independent research, and effective teaching. International research engagement is an advantage.
- **Associate Professor**
Extensive teaching experience with recognized excellence; sustained record of publications and leadership in the discipline; success in securing research funding as Principal Investigator for at least 05 years; and active participation in professional societies.
- **Professor**
Internationally recognized academic and research leadership; substantial, sustained record of high-impact, funded research for 10 years or more; keynote presentations, awards, or honors for research excellence; and distinguished teaching and mentorship experience.

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We thank all applicants for their interest. **Please note that only those candidates selected for interviews will be contacted.**

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Vietnam