

[AY 23-24] Faculty of Mechanical Engineering  
VinUniversity

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Posted Apr. 1, 2024, set to expire Jul. 29, 2024

|                             |                                                                                                                                                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Job Title</b>            | [AY 23-24] Faculty of Mechanical Engineering                                                                                                                                                             |
| <b>Department</b>           | College of Engineering and Computer Science<br><a href="https://vinuni.edu.vn/job/ay-23-24-faculty-of-mechanical-engineering/">https://vinuni.edu.vn/job/ay-23-24-faculty-of-mechanical-engineering/</a> |
| <b>Institution</b>          | VinUniversity<br>Hanoi, , Vietnam                                                                                                                                                                        |
| <b>Date Posted</b>          | Apr. 1, 2024                                                                                                                                                                                             |
| <b>Application Deadline</b> | Open until filled                                                                                                                                                                                        |
| <b>Position Start Date</b>  | Available immediately                                                                                                                                                                                    |
| <b>Job Categories</b>       | Assistant Professor<br>Associate Professor<br>Professor<br>Endowed/Distinguished Professor<br>Associate/Assistant Head<br>Department Head/Head/Chair                                                     |
| <b>Academic Field(s)</b>    | Mechanical Engineering<br>Engineering Mechanics<br>Computer Engineering<br>Computer Science<br>Engineering - Other                                                                                       |
| <b>Job Website</b>          | <a href="https://apply.interfolio.com/117199">https://apply.interfolio.com/117199</a>                                                                                                                    |
| <b>Apply Online Here</b>    | <a href="https://apply.interfolio.com/117199">https://apply.interfolio.com/117199</a>                                                                                                                    |
| <b>Apply By Email</b>       |                                                                                                                                                                                                          |

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### **Job Description**

## **THE COLLEGE OF ENGINEERING & COMPUTER SCIENCE**

VinUniversity offers competitive international salaries, a world-class infrastructure, a dedicated international senior management and academic team, excellent benefits, and support for junior and mid-career faculty with a diverse range of exciting, cross-disciplinary research projects.

Through excellence in academics, research, and innovation, the College of Engineering and Computer Science (CECS) aims to create a generation of young leaders with the qualities, skills, and knowledge needed to lead the development of science and technology, to increase productivity, and bring about radical innovations for the benefit of society.

With a curriculum certified by VinUniversity's founding partner Cornell University, advanced infrastructure, and modern pedagogical approaches, CECS offers Bachelor of Science degree programs in three majors: Electrical Engineering, Mechanical Engineering, and Computer Science. In addition, CECS starts a PhD program in Computer Science in the fall semester of the academic year 2021-2022.

Master in Innovations in AI is planned for Spring 2023 and PhD programs in Electrical and Mechanical Engineering are planned in the year 2023.

All faculty members are provided with an annual personal development fund for scholarly activities such as attending conferences, hiring research assistants, and buying research equipment. Faculty members can also apply for internal seed grants and have numerous opportunities to collaborate with researchers and engineers from the Vingroup ecosystem, such as VinBigData, VinAI, VinBrain, VinMec, VinHomes, Vincom Retail, VinPearl, VinFast, and Vin Energy Systems. These connections are an excellent source of large, real-world data sets as well as applied problems.

Research at CECS is being built on international collaborations and is geared towards addressing three main global challenges in a local context, in the areas of health, energy, and artificial intelligence. The Smart Health Center is a large \$13.5M project in partnership with the University of Illinois at Urbana-Champaign that focuses on the challenges and opportunities in modern healthcare systems, including big data analytics, medical image processing, 3D printing for biomedical, security, privacy protection, and others. We plan to develop similar well-funded, international, large research projects in:

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- Materials science, including polymers and organic solids, metal-organic frameworks, digital materials science.
- Low-resource, robust, multi-language natural language processing and applications in science, tourism, health, education, and digital humanities.
- Smart energy, smart cities, sustainability, resilience and disaster mitigation, and climate change.

For more information, please visit the CECS website: <https://vinuni.edu.vn/college-of-engineering-computer-science/>

The College of Engineering and Computer Science at VinUniversity is recruiting a faculty member in the following areas, track and ranks:

- Areas of interest: The position is open to all areas of Mechanical Engineering; of special interest are the following areas: Robotics/Mechanical Synthesis/Mechanics of Engineering Materials/Automotive engineering/Manufacturing and Industrial Systems/Green Energy, Computational Sustainability.
- Track: Research and Teaching.
- Ranks: Professor/Associate Professor/Assistant Professor.

All qualified applicants will receive full consideration for employment without regard to race, color, religion (creed), gender, gender expression, age, national origin (ancestry), disability, marital status, sexual orientation, or military status.

## KEY ACCOUNTABILITIES

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

- Teaching: Develop and instruct classes, provide academic advising, and participate in developing the programs and curriculum that meet the ABET's quality standards.
- Research: Supervise student research, perform original research, and publish scientific findings in top venues with high citations.
- Service: Assist with recruitment, admission, service to the university, profession, and community.

The workload allocation will be based on faculty ranking and faculty track aligned with generally accepted international standards and practices at universities.

## KEY SELECTION CRITERIA

- Have a doctorate degree in related fields from established prestigious universities.

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- Have a strong knowledge of the subject area combined with a broad subject background enabling contributions to teaching programs.
- Have good experience in experiential learning methods such as TBL (Team-based Learning), PBL (Project-based Learning), ABL (Action-based Learning) and can successfully employ them in all courses.
- Have a strong record of research accomplishments or potential for future accomplishments.
- Have a high spirit and strong passion for education; demonstrate distinction and/or strong potential in research; be agile to embrace changes and take on new challenges; be open-minded to new and different environments; be a team-player willing to contribute to organizational goals and initiatives.
- Excellent written and verbal communication skills in English.

### COMPENSATIONS

The salary benefits are internationally competitive and commensurate with qualifications and experience.

### ABOUT VINUNIVERSITY

VinUniversity (VinUni: <https://vinuni.edu.vn/>) 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.

VinUni has strategic collaborations with the world's leading universities, including Cornell University and the University of Pennsylvania. These universities have become close advisors and crucial enablers in establishing the three colleges at VinUni: College of Business and Management, College of Engineering and Computer Science, and College of Health Sciences. Every aspect of the University: its curricula, research, faculty, student body, facilities, and campus life, is being developed to meet the highest standards set by the world's leading accrediting and ranking organizations, such as ABET, AACSB, Quacquarelli Symonds (QS) and Times Higher Education (THE).

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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: Technology; Industrials; and Property Services. VinUni is proud to be a part of the Vingroup ecosystem, giving its students opportunities to connect with several high quality research institutes (such as VinAI, VinBrain, and Vin BigData), pioneering industrial enterprises (such as VinSmart and VinFast), and leading Vietnamese companies (such as Vinpearl, Vincom Retail, Vinmec, and Vinhomes).

### LIVING AND WORKING IN HANOI, VIETNAM

- Work permit: VinUniversity will assist in and provide advice for obtaining the necessary paperwork needed for employment in Vietnam (visa, work permit, insurance, etc.). However, it is your responsibility to ensure that you can satisfy all the paper requirements in a timely manner.
- According to Vietnamese Law, expatriates are required to submit all necessary documents for a work permit on the first day in Vietnam. For more information about the necessary documents, please refer to the information in this [link](#).
- Living costs: Vietnam has a comparatively low cost of living and expatriates can live a very comfortable life here with a moderate expenditure.

### HOW TO APPLY

Please apply via <https://apply.interfolio.com/117199> and submit a cover letter, a resume and a list of two references.

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

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