

Lecturer, Hydrometallurgy
Aalto University

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Posted Feb. 4, 2025, set to expire Dec. 31, 2025

Job Title Lecturer, Hydrometallurgy
Department T106 Chemical and Metallurgical Eng
Institution Aalto University
, , Finland

Date Posted Feb. 4, 2025

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Lecturer/Instructor

Academic Field(s) Material/Metallurgy
Chemical/Petroleum

Job Website https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Lecturer--Hydrometallurgy_R42075

Apply By Email

Job Description

Aalto University is where science and art meet technology and business. We shape a sustainable future by making research breakthroughs in and across our disciplines, sparking the game changers of tomorrow and creating novel solutions to major global challenges. Our community is made up of 13 000 students, 400 professors, and more than 4 500 other faculty and staff working on our dynamic campus in Espoo, Greater Helsinki, Finland. Diversity is part of who we are, and we actively work to ensure our community's diversity and inclusiveness. This is why we warmly encourage qualified candidates from all backgrounds to join our community.

The School of Chemical Engineering is one of the six schools of Aalto University.
[url=https://www.aalto.fi/en/departments-of-chemical-and-metallurgical-engineering]Department of Chemical and Metallurgical Engineering focuses on sustainable utilization of raw materials, designing and developing more efficient processes for new materials and products. We as chemical engineers

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contribute to the future society with sustainable processes enabling circular economy and bioeconomy.

We are now looking for a

Lecturer in Hydrometallurgy

The green transition is fully dependent on minerals and metals. The sustainable refining of minerals and circular use of metallic raw materials is enabled by the deep understanding of hydrometallurgy and electrochemical processes aimed at their purification, recovery and recycling. These topics shape the present and future of science, technology and society as most of the metals used in renewable energy applications require hydrometallurgical methods in their production. The School of Chemical Engineering at Aalto plays a central role in this exciting field, as reflected by its leadership role in the multimillion-euro BATCircle project and various other national and international projects, many of them in close collaboration with industry. We play a predominant role in the research and teaching of hydrometallurgy, with specific competence in the fundamental understanding of electrochemical reactions involved and their implementation in industrial settings. From the educational perspective, Aalto University strives to educate the future leaders in the raw materials processing industry, for instance with the Sustainable Metallurgical Engineering and Creative Sustainability majors.

The Department of Chemical and Metallurgical Engineering has a unique profile in Finland with faculty members whose expertise and research activities encompass the entire metals production value chain, with knowledge ranging from fundamental metallurgical principles and industrial practice and processing.

To further strengthen our position as the top university in Finland where the circular economy of raw materials and metals is taught, we are looking for a lecturer to support our educational offer on hydrometallurgy.

Your role and goals

We are looking for a motivated University Teacher, University Lecturer or Senior University Lecturer in Hydrometallurgy. The position is a permanent, full-time position. The Aalto lecturer career system consists of four levels depending on qualifications and experience, and this recruitment is opened for applicants at first three levels. Please see more information on the lecturer career system:

[url=<https://www.aalto.fi/en/teaching-and-learning/lecturer-career-system>]<https://www.aalto.fi/en/teaching-and-learning/lecturer-career-system>. The job is located in Otaniemi (Espoo) on the Aalto University campus.

Your tasks will include teaching in courses at Bachelor's and Master's level, including laboratory

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courses. Active support on the implementation of good laboratory practices and safety guidelines is also needed. The tasks also include development and planning of the study programs. Lecturers may also be involved as thesis advisors at all levels, including Doctoral education. The emphasis of this position is on teaching, but your work would also include a research element, as lecturers are expected to conduct research activities and follow up the development of their own field.

Your experience and ambitions

The candidate should have the following: * Doctoral degree in one of the following fields *

Hydrometallurgy * Electrometallurgy (for example, electrolysis processes of metals) * Metallurgical Engineering * Chemical engineering * Process Engineering * or other relevant field.

* Demonstrable teaching experience and/or supervising/instructing experience * Pedagogical skills:

Pedagogical studies are considered as merit at University teacher level whereas certain amount of studies is required at University lecturer or Senior University Lecturer level. More information:

[url=[https://www.aalto.fi/en/teaching-and-learning/lecturer-career-](https://www.aalto.fi/en/teaching-and-learning/lecturer-career-system)

system]<https://www.aalto.fi/en/teaching-and-learning/lecturer-career-system> * Excellent written and oral communication skills in English

In addition, the following are considered assets:

* Written and oral communication skills in Finnish and/or Swedish * Knowledge of the Finnish university education system * Formal pedagogical training * Ability to develop teaching and learning * Experience on instruction or supervision of B.Sc, M.Sc. or D.Sc Thesis * Scientific publishing in the field or topics of teaching or in pedagogy/education * Interest on curriculum development, including e-learning and lifewide learning

The tasks in this position will mainly focus on Master's level course teaching and responsibilities, but also include Bachelor level teaching, which is mostly taught in Finnish. Therefore, Finnish language skills are considered as an asset. Research and industrial merits will also be taken into account in the selection process.

A successful candidate should be able to teach topics such as: * Fundamentals of metallurgical processes, with the main focus on hydrometallurgical processes and phenomena * Technological and sustainability aspects of metals circular economy in general * Process modelling of metallurgical processes * Applied electrochemistry i.e. electrochemical measurement methods in the context of hydrometallurgy, and corrosion (materials selection). * Experimental laboratory work related to courses * Project-based courses including networking and interaction with industrial partners

What we offer

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The selected candidate will be offered a permanent position in the lecturer career system. Our facilities are located at Aalto University Otaniemi campus in Espoo, Finland.

Salary is determined according to the salary system of Aalto University, and it is based on the applicant's experience and qualifications.

The employment contract includes occupational health care, and Finland has a comprehensive social security system. Aalto University provides excellent learning and development opportunities, and a commuter ticket benefit. Unisport offers versatile sports facilities and exercise services with a staff discount.

Ready to apply?

If you want to join our community, please submit your application through our online recruitment system no later than 7.3.2025 by using the link on Aalto University's webpage ("Apply now"). If you are an Aalto employee, you should apply for the position via our internal HR system Workday (Internal Jobs) by using your existing Workday user account (not via the external webpage for open positions).

To apply, please include the following documents in English and pdf: * Motivation letter (1 page description of your motivation for applying for this position and why you would be a suitable candidate) * CV - please use the [url=https://tenk.fi/en/advice-and-materials/template-researchers-curriculum-vitae]template recommended by The Finnish Advisory Board on Research Integrity. * Publication list * Teaching portfolio (5-8 pages) according to Aalto University's guidelines - see [url=https://www.aalto.fi/sites/g/files/flghsv161/files/2021-01/Teaching%20competence%20assessment_Guidelines_for_candidate_2020_Aalto%20University_FINAL.pdf] portfolio guidelines for candidates * Statement on future research (max. 3 pages)

Please see further instructions for preparing the application documents here:

[url=https://www.aalto.fi/en/teaching-and-learning/lecturer-career-system]https://www.aalto.fi/en/teaching-and-learning/lecturer-career-system

For more information, please contact the Vice-head of Department, Professor Daniel Lindberg (daniel.k.lindberg@aalto.fi), or for questions related to the recruitment process, HR Partner Alice Björklund (alice.bjorklund@aalto.fi).

Want to know more about us and your future colleagues? You can watch these videos:

[url=https://www.youtube.com/watch?v=5k_og_6zUJQ]Aalto University - Towards a better world,

[url=https://www.youtube.com/watch?v=dUfEGVM-ZP8&feature=youtu.be]Aalto People, and

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[url=https://www.youtube.com/watch?v==ZK6pDWm1_CE]Shaping a Sustainable Future. You can also check out our webpage about Aalto and Finland: [url=https://www.aalto.fi/en/services/welcome-to-aalto-university-and-finland-info-package]https://www.aalto.fi/en/services/welcome-to-aalto-university-and-finland-info-package and check out our new virtual campus experience: [url=https://virtualtour.aalto.fi/]https://virtualtour.aalto.fi/

About Finland

Finland is a great place for living with or without family - it is a safe, politically stable, and well-organized Nordic society. Finland is consistently ranked high in quality of life and was just listed again as the happiest country in the world: [url=https://worldhappiness.report/news/its-a-three-peat-finland-keeps-top-spot-as-happiest-country-in-world/]https://worldhappiness.report/news/its-a-three-peat-finland-keeps-top-spot-as-happiest-country-in-world/.

For more information about living in Finland: [url=https://www.aalto.fi/en/careers-at-aalto-for-international-staff]For international staff | Aalto University

More about Aalto University:

[url=https://www.aalto.fi/en/open-positions]Aalto.fi

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To view information about Workday Accessibility, please click

[url=http://www.aalto.fi/en/services/workday-recruiting-system-accessibility-interaction-overview]here.

Please see more of our Open Positions [url=http://www.aalto.fi/en/open-positions]here.

Contact Information

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

Contact

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