Assistant Professor

Ecole/Institution/Société:
TU DARMSTADT, **Germany / Darmstadt**

Discipline:
Electrical Engineering

Type d'emploi::
Full-time

Date de publication:
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Personne à contacter:
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Assistant Professor for Circular Economy Engineering

As one of the largest technical universities in Germany, Technische Universität Darmstadt is dedicated to questions of sustainability in the built environment at the highest scientific level.

The Department of Civil and Environmental Engineering focuses on planning, design, construction, use and deconstruction of buildings and infrastructures, as well as on associated use of resources and environmental impacts, and is currently intensifying its research and teaching activities in this area.

In this context, the department is planning to appoint a new professor within the framework of the Hessian 300 Professors Programme for the promotion of young academics as

Assistant Professor for Circular Economy Engineering

(W2, Tenure Track)

(Code. No. 106)

We are looking for an up-and-coming academic talent with an excellent academic profile, documented by an out- standing doctorate, preferably in engineering, as well as publications in specialist journals.

Particularly desired are candidates with follow-up potential, evidenced e.g. by joint publications with (international) colleagues or successful collaborative projects and with experience in the acquisition of third-party funding or links to practice. German language skills are necessary in the medium term and can be acquired in the first years.

The professorship is to establish the newly created area of Circular Economy Engineering in the Department of Civil and Environmental Engineering as a link between the constructional and the conceptual-analytical oriented civil and environmental engineering sciences and to represent these in research and teaching.

Applicants are qualified in one or more of the following topics in the context of Circular Economy:

- Development, adaptation and application of systems analytical approaches to the Circular Economy

- Engineering method development, adaptation and application for sustainability analysis and assessment of the built environment, especially with artificial intelligence methods
- Implementation of sustainability analysis and assessment in environmental and civil engineering specific planning and design processes in terms of Attributional Life Cycle Assessment (LCA), Consequential LCA, scenario analysis and upscaling of ecological assessments as well as assessment of resource criticality
- Research on the overarching supply chain perspective in terms of the whole life cycle and the applicable standards for the interconnected sectors of the built environment

The research of the professorship should take on a linking function in order to push interdisciplinary topics furt- her and to consolidate them in the department and/or to open up new research areas for the entire university. An excellent scientific curriculum vitae is expected, which already shows initial successes and clearly demonstra- tes the applicant's development potential.

A willingness to participate in academic selfadministration is required. A written teaching and research concept must be submitted; it should also address cooperation intentions in the department and at the university.

The assistant professorship is designated as a qualification professorship according to § 70 HHG (Hessisches Hochschulgesetz); accordingly, the maximum period of scientific activities during and after the doctorate gene- rally shall not exceed nine years or the scientific activity after the doctorate shall not exceed four years. Further- more, applicants should have completed their doctorate at a university other than TU Darmstadt or have worked scientifically outside TU Darmstadt for at least two years after completing their doctorate.

The position is initially limited to six years. The position comes with the option of a tenured professorship after a successfully completed tenure process.

The tenure process, which can be initiated one and a half years before the end of the assistant professorship, evaluates the corresponding achievements in research and teaching. After a successful probationary phase, the immediate transition to a tenured professorship is granted. For further infor- mation, please see the tenure guidelines of Technische Universität Darmstadt. Remuneration follows the German W-Besoldung at level W2 Hessisches Besoldungsgesetz.

Technische Universität Darmstadt intends to increase the number of female faculty members and encourages female candidates to apply. In case of equal qualifications applicants with a degree of disability of at least 50 or equal will be given preference. Technische Universität Darmstadt is certified as a family-friendly university and offers a dual career program.

Applications should be submitted including the given job code number and the usual documents, in particular, a curriculum vitae, list of publications, overview of previous teaching activities (teaching evaluations if availa- ble), a description of scientific activities, a teaching and research concept and copies of the relevant certificates to the Dean of the Faculty of Civil and Environmental Engineering, Technische Universität Darmstadt, Postfach 10 06 36, 64206 Darmstadt, preferably in electronic form (PDF file) to: dekanat@bauing.tu-darmstadt.de**.**

If you have any queries regarding the content, please contact: Prof. Markus Engelhart (m.engelhart@iwar.tu-darmstadt.de).

By submitting your application, you agree that your data may be stored and processed for the purpose of filling the vacancy. You can find our privacy policy on our webpage.

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