
At the Chair of Material Flow Management and Resource Economy (Prof. Dr. Liselotte Schebek) at the IWAR Institute of the Faculty of Civil and Environmental Engineering at the Technical University of Darmstadt there is an immediate opening for a

Postdoc position

The position is initially limited to 2 years. An extension is possible.

The focus of your research should be on circular economy with a focus on digitalisation and resource efficiency. In a research project with partners from industry, the waste management sector and IT research, you will analyse the current status of the circular economy with regard to opportunities for increasing resource efficiency through digitalisation. You will conduct stakeholder dialogues with industry and the waste management sector and develop concepts and proposals for action based on these. You will analyse the strategies developed with regard to their impact on resource efficiency and climate impacts using systems analysis methods (notably Life Cycle Assessment and/or MFA). You will prepare the results of your research for scientific publication as well as adapt those regarding recommendations for action and policy strategies. Your research activities are embedded in a close cooperation with the Fraunhofer Research Institution for Materials Recycling and Resource Strategies (FhG IWKS). You will also develop outlines for future research and take active part in compiling proposals for projects. The scope of your tasks includes the administration and preparation of courses. In addition, you will contribute to organizational tasks at the IWAR Institute.

Your Profile

You should have a degree in environmental engineering and science or in a comparable discipline, a highly qualified Ph.D. degree, and extensive knowledge and experience in the field of circular economy, both in terms of concept development, technological processes and structures of the waste management industry. You know the actors and the social and political environment of the circular economy. You have methodological knowledge and practical experience in the application of Life Cycle Assessment and/or Material Flow Analysis. You should be experienced in managing third-party-funded research projects and in scientific writing. You should have a communicative personality, like working in interdisciplinary teams, and have excellent skills in German and English.

The fulfillment of the duties likewise enables the scientific qualifications of the candidate. Opportunity for further qualification (habilitation) is given.

The Technical University of Darmstadt intends to increase the number of female employees 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. Wages and salaries are according to the collective agreements on salary scales, which apply to the Technical University of Darmstadt (TV-TU Darmstadt). Part-time employment is generally possible.

By submitting your application, you agree that your data may be stored and processed for the purpose of filling the vacancy. Here you can find our [privacy policy](#).

Applications should include the customary supporting material and be sent via e-mail (only one PDF-file) to the Dean of Faculty 13, Franziska-Braun-Str. 3, D-64287 Darmstadt, dekanat@bauing.tu-darmstadt.de. Further information can be obtained by contacting Prof. Dr. Liselotte Schebek by telephone (00496151-16-20721) or e-mail (l.schebek@iwar.tudarmstadt.de).

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