Research Associate

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting September 1, 2021. The position is within the research project eModule – “Modelling, Automation, Integration and Optimization of modular Electrolysis-Plants” and limited in its duration until March 31, 2025. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position offers the chance to obtain further academic qualification.

Tasks:

- technical project coordination, project presentation to stakeholders and coordination of the technical exchange with industry partners and other subprojects within the H2Giga lead platform;
- versatile evaluation, implementation of the weak point analysis of the modular concept for water electrolysis and comparative analysis of optimization, scaling and integration concepts to be developed within the framework for modular water electrolysis plants;
- assistance in the preparation of practice-oriented knowledge transfer workshops for industrial partners.

Requirements:

- above-average university degree in one of the following fields: process engineering, hydro energy systems, regenerative energy systems, hydrogen technologies or related;
- enthusiasm for new challenges in the field of modularization and digitalization in the process industry and especially for applications in the field of green hydrogen;
- remarkable organizational and communication skills;
- independent, goal- and solution-oriented way of working;
- fluent English and German, both written and spoken.
- Experience with project management and/or coordination is advantageous.

You enjoy facing challenges and want to the world of the next years and decades in the context of the renewable energy. You are a creative mind for whom there are no limits. Then the Process-To-Order-Lab offers you exactly the right opportunity. With us, you can contribute in a creative way to the thriving and dynamic interdisciplinary research environment and shape the future of the process industry.

Further information on the Process-To-Order-Lab can be found on [https://tu-dresden.de/ing/forschung/bereichs-labs/P2O-Lab](https://tu-dresden.de/ing/forschung/bereichs-labs/P2O-Lab).

Applications from women are particularly welcome. The same applies to people with disabilities.

Please submit your comprehensive application including the usual documents by June 30, 2021 (stamped arrival date of the university central mail service applies) by mail to: TU Dresden, Fakultät Maschinenwesen, Institut für Verfahrenstechnik und Umwelttechnik, Arbeitsgruppe Systemverfahrenstechnik, Process-To-Order-Lab, z. Hd. Frau Kirstie Kantemir, Helmholtzstr. 10, 01069 Dresden, or via the TU Dresden SecureMail Portal [https://securemail.tu-dresden.de](https://securemail.tu-dresden.de) by sending it as a single pdf-document to [kirstie.kantemir@tu-dresden.de](mailto:kirstie.kantemir@tu-dresden.de).
dresden.de. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

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