



The Combustion Institute

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University Professor for Combustion Technology in Aerospace Engineering (W3) and Director of the DLR Institute of Combustion Technology

The Institute of Combustion Technology for Aerospace Engineering and DLR Institute of combustion technology / at the EARLIEST OPPORTUNITY

The German Aerospace Center (DLR) and the University of Stuttgart seek to jointly appoint a

University Professor for Combustion Technology in Aerospace Engineering (W3)

with a position at the University of Stuttgart with a reduced teaching assignment (2 SWS) and academic leave of absence (the "Jülicher Modell") at the DLR in Stuttgart as

Director of the DLR Institute of Combustion Technology.

The DLR Institute of Combustion Technology, with its around one hundred employees, performs research and development in the fields of combustion in load and fuel flexible gas turbine combustion chambers, future fuels and power plant concepts based on micro gas turbines, supported by further development and application of detailed numerical simulations as well as experimental examinations of the combustion processes. The whole scope from the physical-chemical basics to the complete technical system is successively covered.

The focus of the teaching and research at the Institute of Combustion Technology for Aerospace Engineering at the University of Stuttgart is on the development of design principles for gas turbines, aircraft engines and rocket combustion chambers. Numeric simulation of the combustion process in real combustion chambers and the development of laser optical measurement methods are at the foreground of the activities.

We are looking for a responsible dynamic leadership personality with several years of leadership experience and demonstrable international expertise, ideally in several of the mentioned fields, e.g. combustion chamber design, competency in gas turbine systems, modern methods of combustion diagnostics or optical methods, or fuels. We expect a willingness to cooperate on an interdisciplinary basis with partners inside and outside the DLR and the University of Stuttgart and to be involved in national and international networks. Several years of work in industry and

the ability to speak German are desired. We furthermore expect very good didactic abilities and engagement in teaching and academic self-administration.

The requirements for employment listed in § 47 and § 50 Baden-Württemberg university law apply.

Written applications with a resumé, employment records and graduation certificates, a list of the third-party funding achieved and/or industrial project responsibilities, publication lists and a presentation of the research and teaching concept should be sent by March 1st 2020 by post or as a PDF file by e-mail to the Chairmen of the Appointment Commissions, Prof. Dr. Volker Schwieger, University of Stuttgart, Institute of Engineering Geodesy, Geschwister-Scholl-Str. 24D, 70174 Stuttgart, volker.schwieger@iigs.uni-stuttgart.de, and Prof. Dr.-Ing. Karsten Lemmer, DLR, Member of the Executive Board for Energy and Transport, Linder Höhe, 51147 Cologne, berufung-verbrennungstechnik@dlr.de. Please be aware of the risks regarding confidentiality and the integrity of your application contents when sending your application via unencrypted e-mail.

The DLR and the University of Stuttgart have established Dual Career Programs to offer assistance to the partners of appointed persons. For more information, please visit the website <https://fachkraefte.region-stuttgart.de/gewinnen/was-wir-bieten-gewinnen/dual-career-center-region-stuttgart/>

The DLR and the University of Stuttgart would like to increase the number of women in leadership positions and are therefore particularly interested in receiving applications from women. Severely challenged persons will be given preference in case of equal qualifications.

The information on the collection of personal data in accordance with Article 13 of the GDPR can be found via the following links: <https://uni-stuttgart.de/datenschutz-bewerbung> and <https://www.dlr.de/dlr/jobs/datenschutz>.

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