Technische Universität Darmstadt invites applications for a Professorship in Virtual Product Creation (W3) (Code. No. 297) at the Department of Mechanical Engineering beginning in Winter Semester 2020/21.

The applicant will represent the chair of “Virtual Product Creation” in research and education. We are looking for a nationally and internationally highly qualified person combining an excellent knowledge base and an extensive experience in the field of virtual product creation. The applicant must have demonstrated significant independent research achievements and should have implemented innovative methods in practice.

The applicant will be responsible for teaching the compulsory courses “Information and Communication Technology” and “Computer Aided Design” mandatory in the Bachelor’s Degree program of the Department of Mechanical Engineering. In the Master’s Degree program, the applicant conveys aspects of Digital Engineering Processes and/or on methods of concurrent virtual methods in virtual product creation.

The research focus is on models, methods and systems for seamless digital data-integrated product creation processes including data management in the overall process chain of product creation and along the complete product life cycle.

The candidate is expected to demonstrate a strong commitment to national and international collaborative research and to initiate and participate in interdisciplinary projects with other departments and research groups.

Candidates must hold a Ph.D. or equivalent in engineering or natural sciences with suitable pedagogical qualifications, as well as the willingness to participate in academic self-administration. An excellent knowledge of the German and English language is welcome.

The position is tenured with a remuneration package commensurate with experience and qualifications, following the German “W-Besoldung” and subject to negotiations between the applicant and the university directorate. The regulations for employment are specified under §§ 61 and 62 HHG (Hessisches Hochschulgesetz).

The 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.

The Technische Universität Darmstadt is certified as a family-friendly university and offers a dual career program.

Applications must include a CV, a list of publications, relevant certificates, an overview of previous teaching responsibilities (including teaching evaluations) and a description of research activities. Please direct your application including the code number to the Dean of the Department of Mechanical Engineering, Technische Universität Darmstadt, Otto-Bernd-Str. 2, Postfach 10 06 36, 64206 Darmstadt, Germany, or dekan@maschinenbau.tu-darmstadt.de preferably in a single PDF file.

Application deadline: July 20, 2019

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The Science Philanthropy Alliance seeks a president who will lead the organization in its mission to encourage, secure and advise philanthropic support for science and to promote cooperation among the member foundations to achieve greater impact. The accomplished scientist and seasoned leader selected for this half-time position will head a dedicated staff and core group of senior science advisers in an alliance that is currently supported by more than two dozen affiliated philanthropies. Qualifications include a strong record of scientific accomplishment, success as an institutional leader, and experience in gaining philanthropic support for science.

The Alliance is currently headquartered in Palo Alto, though its work takes place in various parts of the United States and occasionally in other countries. Competitive salary and benefits. Candidates are invited to apply by 30 June 2019. Inquiries and letters of interest with a current CV should be sent to:

Christine Miller
Office of Human Resources
Gordon and Betty Moore Foundation
1661 Page Mill Rd
Palo Alto CA 94304
(Christine.miller@moore.org)

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Air Force Science & Technology Fellowship Programs Postdoctoral and Senior Research Awards

The Air Force Science & Technology Fellowship Program (AF STFP) offers nationally competitive fellowship awards to postdoctoral and senior scientists to perform collaborative research at U.S. Air Force research facilities across the country. Since 1966, the Air Force S&T Enterprise has hosted over 1,000 fellows under the NRC Research Associateship Programs and many of these researchers have gone on to successful careers in government laboratories. The AF STFP continues this tradition of providing high quality research opportunities with Air Force scientists and engineers at Air Force Research Laboratory, the Air Force Institute of Technology, and the U.S. Air Force Academy.

We are actively seeking highly qualified candidates including recent doctoral recipients and senior researchers. Applicants should hold, or anticipate receiving, an earned doctorate in science or engineering. Applications are accepted during four annual review cycles with deadlines of February 1, May 1, August 1, and November 1. 

Awardees have the opportunity to:
- Conduct independent research in an area compatible with the interests of the Air Force laboratories
- Devote full-time effort to research and publication
- Access the excellent and often unique facilities of the Air Force
- Collaborate with leading scientists and engineers

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Jefferson Science Fellowship

The National Academies of Sciences, Engineering, and Medicine is pleased to announce a call for applications for the 2020 Jefferson Science Fellows (JSF) program. Initiated by the Secretary of State in 2003, this fellowship program engages the American academic science, technology, engineering and medical communities in the design and implementation of U.S. foreign policy and international development.

Jefferson Science Fellows spend one year at the U.S. Department of State or the U.S. Agency for International Development (USAID) for an on-site assignment in Washington, D.C. that may also involve travel to U.S. foreign embassies and/or missions.

The fellowship is open to tenured, or similarly ranked, academic scientists, engineers, and physicians from U.S. institutions of higher learning. Applicants must hold U.S. citizenship and will be required to obtain a security clearance.

The deadline for applications is October 31, 2019 at 5 PM EST. To learn more about the Jefferson Science Fellows program and to apply, visit www.nas.edu/jsf.

The Jefferson Science Fellows program is administered by the National Academies of Sciences, Engineering, and Medicine and supported by the U.S. Department of State and the United States Agency for International Development.

NRC Research Associateship Programs

The National Academy of Sciences, Engineering, and Medicine offers postdoctoral and senior research awards on behalf of 23 U.S. federal research agencies and affiliated institutions with facilities at over 100 locations throughout the U.S. and abroad. We are actively seeking highly qualified candidates including recent doctoral recipients and senior researchers. Applications are accepted during four annual review cycles (with deadlines of, August 1, November 1, February 1, May 1).

Awardees have the opportunity to:
- Conduct independent research in an area compatible with the interests of the sponsoring laboratory
- Devote full-time effort to research and publication
- Access the excellent and often unique facilities of the federal research enterprise
- Collaborate with leading scientists and engineers at the sponsoring laboratories

Benefits of an NRC Research Associateship award include:
- 1-year award, renewable for up to 3 years
- Stipend ranging from $45,000 to $80,000, higher for senior researchers
- Health insurance, relocation benefits, and professional travel allowance

Applicants should hold, or anticipate receiving, an earned doctorate in science or engineering. Degrees from universities abroad should be equivalent in training and research experience to a degree from a U.S. institution. Some awards are open to foreign nationals as well as to U.S. citizens and permanent residents. The National Academies of Sciences, Engineering, and Medicine’s Fellowships Office has conducted the NRC Research Associateship Programs in cooperation with sponsoring federal laboratories and other research organizations approved for participation since 1954. Through national competitions, the Fellowships Office recommends and makes NRC Research Associateship awards to outstanding postdoctoral and senior scientists and engineers for tenure as guest researchers at participating laboratories. A limited number of opportunities are available for support of graduate students in select fields.

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