



Faculty Position in Data-Driven Engineering Design at the Ecole polytechnique fédérale de Lausanne (EPFL)

The Institute of Mechanical Engineering is soliciting applications for a faculty position at the level of Tenure Track Assistant Professor in **Data-Driven Engineering Design**. Exceptional candidates may be considered at the rank of Associate Professor with tenure.

We seek top applicants with research interests in the broad area of engineering design to advance the scientific and engineering challenges presented by the availability of large amounts of data, supported by modern computational approaches. The ultimate goal should be the development of novel insight and design concepts leading to innovative products, systems, and services. Research areas of interest include, *but are not limited to*: (i) design methodologies supported by artificial intelligence and other data-driven methods; (ii) data-based geometrical and physical modeling; (iii) data-driven optimization in manufacturing; and (iv) virtual reality and digital twins. Since high-value-added design is an essential pillar of the Swiss economy, applicants should demonstrate a potential for direct interactions with industrial partners to pursue specific technological advances. Applicants should have a demonstrated record of excellence in their chosen technical area.

As a faculty member of the School of Engineering, the successful candidate will be expected to initiate an independent and creative research program and

participate in undergraduate and graduate teaching. Internationally competitive salaries, start-up resources, and benefits are offered.

Applications should include a cover letter with a statement of motivation, curriculum vitae, list of publications and patents, concise statement of research and teaching interests. Applicants should also provide the names and addresses of 3 to 5 referees. Applications must be uploaded in PDF format to the recruitment web site:

<https://facultyrecruiting.epfl.ch/position/18841600>

Formal evaluation of candidates will begin on **December 1, 2019**.

Enquires may be addressed to:

Prof. Pedro Reis

Search Committee Chair

e-mail: igm-search@epfl.ch

For additional information on EPFL, please consult the websites: www.epfl.ch, sti.epfl.ch, igm.epfl.ch.

EPFL is an equal opportunity employer and family friendly university. It is committed to increasing the diversity of its faculty. It strongly encourages women to apply.