

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

The Institute of Mechanical Engineering of the School of Engineering is soliciting applications for a faculty position at the level of tenure-track Assistant Professor in **Data-Driven Engineering Design**.

We seek applicants with research interests in areas related to advancing the scientific and engineering challenges presented by the availability of large amounts of data and its use to develop novel insights and design concepts leading to innovative products, systems, and services.

Research areas of interest include, but are not limited to, (i) data mining in the context of product design; (ii) data-based geometrical and physical modeling; (iii) data-based analysis and decision making in the life-cycle of products; (iv) data-driven optimization for production; and (v) design methodologies supported by artificial intelligence for the industrial and biomedical fields. 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 an EPFL faculty member, 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.

EPFL, with its main campus located in Lausanne, Switzerland, is a well-funded and leading institution

fostering excellence and diversity. As a technical university covering essentially the entire palette of engineering and science, EPFL offers a fertile environment for research cooperation between different disciplines. EPFL has a highly international environment that is multi-lingual and multi-cultural, with English often serving as a common interface.

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. Candidates should also give the names of 3 to 5 referees who agree to provide letters of recommendation. Applications must be uploaded to the recruitment web site:

<https://facultyrecruiting.epfl.ch/position/10977292>

Formal evaluation of candidates will begin on **December 1, 2018**.

Enquires may be addressed to:

**Prof. Pedro Reis**  
Chair of the Search Committee  
**E-mail:** [igm-search@epfl.ch](mailto:igm-search@epfl.ch)

For additional information on EPFL, please consult the websites: [www.epfl.ch](http://www.epfl.ch), [sti.epfl.ch](http://sti.epfl.ch), [igm.epfl.ch](http://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.

