



Joint Faculty Position in Mathematics & Materials at the Ecole polytechnique fédérale de Lausanne (EPFL)

The School of Basic Sciences and the School of Engineering at EPFL seek to appoint a Tenure Track Assistant Professor or a Tenured Associate Professor jointly between the Institute of Mathematics and the Institute of Materials. We have a keen interest in outstanding candidates whose research is dedicated to the development of mathematical theory (analytical, geometrical, numerical, computational/algorithmic, topological) underpinning the description of materials. Ideal candidates would have a strong interdisciplinary breadth rather than focus on specific subfields. Indicative fields of interest include, but are not restricted to, multi-scale modelling, topological properties of materials, metamaterials, soft matter, efficient and accurate electronic-structure algorithms, statistical mechanics of emergent phenomena, numerical methods for very high dimensional problems, theory of data-driven algorithms applied to materials discovery.

We expect candidates to establish leadership and strengthen the EPFL's profile in the field. Priority will be given to the overall originality and promise of the candidate's work over any particular specialization area, and to the demonstrated attitude of the candidate to straddle the divide between rigorous mathematics and impactful applications to material modeling and theory.

Candidates should hold a PhD and have an excellent record of scientific accomplishments, commensurate to the level of experience. In addition, commitment to excellence in teaching at the undergraduate, master and doctoral levels is expected. Proficiency in French teaching is not required, but willingness to learn the language is expected.

EPFL, with its main campus located in Lausanne, Switzerland, on the shores of Lake Geneva, is a dynamically growing and well-funded institution fostering excellence and diversity. It has a highly international campus with first-class infrastructure,

including high performance computing, and close synergies with computational efforts in materials, such as [CECAM](#) and [MARVEL](#).

As a technical university covering essentially the entire portfolio of engineering and science, EPFL offers a fertile environment for research cooperation between different disciplines. The EPFL environment is multi-lingual and multi-cultural, with English often serving as a common interface.

Applications should include a cover letter, a CV with a list of publications, a concise statement of research (maximum 3 pages) and teaching interests (one page), and the names and addresses (including e-mail) of at least three (for the rank of Assistant Professor) or five (for the rank of Associate Professor) references who are ready to supply a letter upon request.

Applications should be uploaded (as PDFs) by **November 15, 2021**, to:

<https://facultyrecruiting.epfl.ch/position/34865152>

Enquires may be addressed to:

Prof. Harm-Anton Klok

Director of the Institute of Materials (IMX)

Prof. Victor Panaretos

Director of the Institute of Mathematics (MATH)

Co-Chairs of the Search Committee

e-mail: math4mat-search@epfl.ch

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