There is currently a PhD position available for a talented and motivated individual in computational condensed matter physics within the Chair of Atomic-Scale Simulation at EPFL in Lausanne. The position is available immediately. The PhD position is associated to the national project *Materials Revolution: Computational Design and Discovery of Novel Materials*. Pursued research themes focus on metal organic frameworks (MOFs), defects, semiconductor-oxide interfaces, semiconductor-liquid interfaces, photocatalytic water splitting, and materials design optimization. The position involves advanced electronic structure calculations at the hybrid-functional and GW level and other methods such as *ab initio* molecular dynamics simulations. The EPFL in Lausanne benefits from outstanding computational facilities.

The PhD candidate should hold a university degree in physics or physical chemistry (or equivalent), with a very strong background in quantum mechanics and previous experience in FORTRAN programming. The candidate will have teaching duties and shall prepare a doctoral thesis at EPFL. The hiring of the candidate is subject to admission to the Doctoral programme in physics at EPFL. The interested PhD candidate should send (in PDF-format) their

1. curriculum vitae (including nationality, date of birth, civil state, and achieved degrees),
2. publication list, and
3. the list of passed examinations and relative marks.

The interested PhD candidate should also express his/her motivation in a cover letter, including the prospected date of availability, and arrange confidential letters of recommendation to be sent to Alfredo Pasquarello by email (Alfredo.Pasquarello@epfl.ch). Only complete applications will be processed. The search will continue until the position is filled. The first evaluations will start on 15th March 2021.

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