



香港中文大學  
The Chinese University of Hong Kong

Applications are invited for:-

**Department of Physics  
Research Assistant Professor**  
(Ref. 160001PW)

The Department invites applications for a Research Assistant Professorship in experimental quantum physics/materials.

Applicants should have (i) a PhD degree in physics, chemistry or materials science; and (ii) experimental research experience in at least one of the following fields:

- quantum sensing
- microscopy and manipulation of nano-objects
- magnetic resonance spectroscopy
- optical spectroscopy of nanomaterials

The appointee will (a) work closely with faculty members in research on quantum sensing based on diamond and related materials using optically detected magnetic resonance; (b) demonstrate a strong record of research accomplishments, potential for establishing externally funded research programmes; and (c) undertake light teaching duties at undergraduate and postgraduate levels. Information about relevant research in the Department is available at: <http://www.phy.cuhk.edu.hk>.

Appointment will initially be made on contract basis for up to three years commencing as soon as possible, renewable subject to mutual agreement.

Applications will be accepted until the post is filled.

**Application Procedure**

Applicants should upload a full resume, a brief research statement (not longer than three pages), copies of academic credentials, a publication list and/or abstracts of selected published papers when submitting an application for the post.

The University only accepts and considers applications submitted online for the post above. For more information and to apply online, please visit <http://career.cuhk.edu.hk>.



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**ETH** zürich

## Professor of Multiscale Materials Modeling

→ The Department of Materials at ETH Zurich ([www.mat.ethz.ch](http://www.mat.ethz.ch)) and the Paul Scherrer Institute ([www.psi.ch](http://www.psi.ch)) invite applications for a joint professorship in Multiscale Materials Modeling.

→ The professorship involves research and teaching at the Department of Materials at ETH Zurich (40%) and the operational and scientific management of the Laboratory for Scientific Computing and Modeling at PSI (60%). The group will be located at both institutes. The new Laboratory for Scientific Computing and Modeling will consist of 20-30 scientists, involving Nuclear Energy and Safety, Neutron and Muon Research, and the Photon Science divisions. The new laboratory head will coordinate the theoretical support of experimentalists working at the largescale PSI facilities.

→ The new professor must have demonstrated research excellence in the development of methods for theory- and computer-based multiscale materials modeling and their application in solving relevant materials problems. Experience with both static simulations, such as Monte Carlo, and dynamic simulations, such as atomistic, molecular or fluid dynamics, wave or particle transport, is desirable, combined with coarse-graining techniques for multiscale modeling and with theoretical analysis to complement the simulations. The candidate's research should bridge time and length scales, the latter from the atomistic to the macroscopic. Multiscale modeling in any branch of materials science or engineering will be considered. Beside scientific leadership, the candidate will have proven management and administrative skills. Generally, at ETH Zurich undergraduate level courses are taught in German or English and graduate level courses are taught in English.

→ Please apply online at: [www.facultyaffairs.ethz.ch](http://www.facultyaffairs.ethz.ch)

→ Applications should include a curriculum vitae, a list of publications, a statement of future research and teaching interests, and a description of the three most important achievements. The letter of application should be addressed to the **President of ETH Zurich, Prof. Dr. Lino Guzzella**. The closing date for applications is **30 April 2017**. ETH Zurich is an equal opportunity and family friendly employer and is responsive to the needs of dual career couples. We specifically encourage women to apply.