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Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Professor of Applied Mathematics

The Department of Mathematics (www.math.ethz.ch) at ETH Zürich invites applications for a faculty position in applied mathematics. The new professor should have made substantial contributions to mathematical modeling and/or efficient numerical simulation in engineering and sciences, which have received wide international recognition. A strong algorithmic and computational component in the mathematical research in areas such as multi-scale numerical methods and mathematical models, structure preserving algorithms for evolution problems, numerics of stochastic ordinary and partial differential equations, PDE constrained optimization or new regularization techniques, and advanced numerical methods for inverse and ill-posed problems, is desirable.

The successful candidate should have demonstrated proficiency in conducting pioneering projects in application areas of mathematics and will contribute to the teaching of mathematics for students of mathematics, engineering as well as natural sciences on all levels. He or she will be expected to teach undergraduate level courses (German and English) and graduate level courses (English). The new professor will be a member of the Seminar for Applied Mathematics, an institute in the Department of Mathematics.

Please submit your application together with a curriculum vitae, a list of publications, the names of at least three referees, and a short overview of your research interests to the **President of ETH Zurich, Prof. Dr. Ralph Eichler, Raemistrasse 101, 8092 Zurich, Switzerland, no later than December 15, 2009**. With a view toward increasing the number of female professors, ETH Zurich specifically encourages female candidates to apply.



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Assistant Professor (Tenure Track) of Experimental Solid State Physics

The Department of Physics at ETH Zurich (www.phys.ethz.ch) invites applications for an assistant professorship in Experimental Solid State Physics. The successful candidate is expected to sustain a strong research program in modern solid state physics, for example by complementing or expanding the current research programs at the Laboratory for Solid State Physics in the fields of semiconductors, magnetism, superconductivity, correlated electrons and manipulation of quantum systems. ETH Zurich offers a stimulating research and teaching environment with excellent on-site infrastructure and access to first class experimental facilities at the near-by Paul Scherrer Institute. Teaching involves contributions to the physics curriculum of the Bachelor and Master's program. The new professor will be expected to teach undergraduate level courses (German or English) and graduate level courses (English).

Assistant professorships have been established to promote the careers of younger scientists. The initial appointment is for four years with the possibility of renewal for an additional two-year period and promotion to a permanent position.

Please submit your application, together with a curriculum vitae, a list of publications, and a brief statement of present and future research interests to the **President of ETH Zurich, Prof. Dr. Ralph Eichler, Raemistrasse 101, 8092 Zurich, Switzerland, no later than January 31, 2010**. With a view towards increasing the proportion of female professors, ETH Zurich specifically encourages female candidates to apply.



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Professorship in Mathematical Methods in Information and Communication Technology

The Department of Information Technology and Electrical Engineering (www.ee.ethz.ch/en) at ETH Zurich invites applications for the above-mentioned professorship. The successful candidate is expected to develop a strong and visible research program in the area of Information and Communication Technology. We are looking for applicants with a strong mathematical background working in any of the following research areas: signal and image processing, communications, control, information theory, computer architecture, and networking.

Candidates should have a Ph.D. degree and an excellent record of accomplishments in Information and Communication Technology. In addition, commitment to teaching and the ability to lead a research group are expected. The successful candidate will be expected to teach undergraduate level courses (German or English) and graduate level courses (English).

The position can be filled at either assistant professor (tenure track), associate or full professor level, depending on the scientific track record of the applicant.

Assistant professorships have been established to promote the careers of younger scientists. The initial appointment is for four years with the possibility of renewal for an additional two-year period and promotion to a permanent position.

Please submit your application including a curriculum vitae, a list of publications, and statements on future research and teaching activities to the **President of ETH Zurich, Prof. Dr. Ralph Eichler, ETH Zurich, Raemistrasse 101, 8092 Zurich, Switzerland, no later than January 31, 2010**. With a view toward increasing the number of female professors, ETH Zurich specifically encourages qualified female candidates to apply.



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Professor of Management of Technology and Innovation

The Professorship in Management of Technology and Innovation is situated in a fast-growing group of management and organization scholars at the Department of Management, Technology, and Economics at ETH Zurich (www.mtec.ethz.ch), and focuses on the analysis of innovation and new product development in organizations. The research focus can include, but is not limited to, the management and organization of research and development activities, the interface between technology management and business processes, evolution of technical systems, or collaborative and open innovation.

The new professor will be expected to teach undergraduate level courses (German or English) and graduate level courses (English). In addition, the successful candidate will head a research team. Therefore, he or she will be expected to actively develop, coordinate, and supervise a research agenda for the team, as well as collaborate with researchers within the department, other departments or groups at the ETH Zurich, and internationally.

The ideal candidate has an outstanding international research record in management and organization science, with a focus on management of technology and innovation. He or she can document the ability to successfully develop a research agenda and produce output on the highest international level. The candidate should also have documented leadership skills in guiding a research team.

Please submit your application together with a curriculum vitae and a list of publications and projects to the **President of ETH Zurich, Prof. Dr. Ralph Eichler, ETH Zurich, Raemistrasse 101, 8092 Zurich, Switzerland, no later than February 28, 2010**. With a view toward increasing the number of female professors, ETH Zurich specifically encourages qualified female candidates to apply.

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Vorstand / Comité directeur am 1. Oktober / au 1er octobre 2009

Präsident/Président: Prof. Dr. med. Ernst-Wilhelm Radü, Universitätsspital Basel, Neuroradiologie, Petersgraben 4, CH-4031 Basel, Tel.: 061 265 49 12/15, E-Mail: eradue@uhbs.ch

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Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Professor of Architecture and Digital Fabrication

The Department of Architecture of ETH Zurich (www.arch.ethz.ch) invites applications for a Professorship in Architecture and Digital Fabrication. Teaching duties include the theoretical and methodological foundations in the field of digital fabrication, as well as their constructive application in architectural design. The research work is related to the further development of the entire field.

The successful candidate is expected to have completed a degree in architecture and to have relevant professional research and teaching experience as well as to demonstrate exceptional competence in the field of digital fabrication. He or she will be expected to teach undergraduate level courses (German or English) and graduate level courses (English).

Please submit your application together with a curriculum vitae, a list of publications, and a list of completed projects **to the President of ETH Zurich, Prof. Dr. Ralph Eichler, Raemistrasse 101, 8092 Zurich, Switzerland, no later than November 30, 2009.** With a view towards increasing the proportion of female professors, ETH Zurich specifically encourages female candidates to apply.



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Professor of Mathematical Physics Assistant Professor (Tenure Track) of Mathematical Physics

The Department of Physics of ETH Zurich (www.phys.ethz.ch) invites applications for a Professorship / Assistant Professorship (Tenure Track) in Mathematical Physics. The Department offers a stimulating environment in mathematical, theoretical, and computational physics, as well as in experimental high energy physics, condensed matter physics, quantum optics, astrophysics, and neuroinformatics. Furthermore, ETH Zurich has a thriving Department of Mathematics.

The successful candidate should sustain a strong research program in some area of mathematical physics, for example in the context of statistical physics, many-body theory, quantum field theory, or string theory. Teaching duties involve the theoretical physics curriculum at the undergraduate level and advanced courses in the Master's program. The new professor will be expected to teach undergraduate level courses (German) and graduate level courses (English).

Assistant professorships have been established to promote the careers of younger scientists. The initial appointment is for four years with the possibility of renewal for an additional two-year period and promotion to a permanent position. ETH Zurich offers substantial support associated with this appointment.

Please submit your application together with a curriculum vitae, a list of publications, and a brief statement of present and future research interests **to the President of ETH Zurich, Prof. Dr. Ralph Eichler, ETH Zurich, Raemistrasse 101, 8092 Zurich, Switzerland, no later than December 15, 2009.** With a view toward increasing the number of female professors, ETH Zurich specifically encourages qualified female candidates to apply.

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