Post-Doc Position in Micromechanical Design

The Micromechanical and Horological Design Laboratory was established on November 1st, 2012, with the nomination of Professor Simon Henein. Instant-Lab, the name chosen for the new laboratory, is located in Microcity, the EPFL Microtechnology center in Neuchatel, Switzerland. Instant-Lab currently consists of a dozen senior scientists, postdoctoral scholars and graduate students. The laboratory’s specialty is the creation of new mechanisms featuring kinematic and technological innovation at the millimeter and centimeter scales. The scientific approach is inspired from mechanical design in fields such as robotics, medical technology, aerospace, and horology. Current projects apply to biomedical instrumentation and mechanical watchmaking, these fields being quite close, both technologically and in their industrial fabric.

The laboratory is seeking post-doctoral candidates to bring scientific, engineering and creative skills to this program. Emphasis will be given on fundamental scientific questions as well as their engineering applications, so candidates should be prepared to tackle conceptual as well as technical challenges. The laboratory was has been established within the last three years, so candidates will profit from close collaboration with the newly formed team and fresh Ph.D students. A strong theoretical background in mechanics will be required as well as practical experience in the design, realization and testing of physical models. Partnership with industry is foreseen.

Candidates should have a Ph.D. degree in Microengineering, Mechanical Engineering or Physics.

Candidates should send their CV, letter of motivation, reference letters and, if possible, a summary of their previous project to ilan.vardi@epfl.ch.

Further information about the laboratory is available at the website: http://instantlab.epfl.ch.