

## Professor in Condensed Matter Physics

### Background

ESPCI ParisTech is a leading French Grande École training scientists and engineers at the graduate level, as well as a world-renowned research institution with a distinguished history that counts among its current and former faculty Pierre and Marie Curie, Pierre-Gilles de Gennes, Georges Charpak and other notable Nobel laureates. ESPCI ParisTech hosts 17 laboratories conducting cutting-edge research in physics, chemistry and biology, and with great experience in launching successful, technology-driven start-ups. Founded in 1882, ESPCI ParisTech has been under the ægis of The City of Paris for over 125 years and is a founding member of ParisTech, the Paris Institute of Technology.

ESPCI ParisTech now offers an outstanding scientist with excellent credentials the opportunity to join its faculty in September 2011 as Full Professor in condensed matter physics. This position entails both teaching and research prospects.

### Teaching

The teaching assignment will be in physics, especially condensed matter physics.

### Research

The successful candidate will be expected to build a research team focused on an innovative experimental research topic, within the realm of the Laboratoire de physique et d'étude des matériaux (LPEM – Laboratory for Physics and the Study of Materials – [www.lpem.espci.fr](http://www.lpem.espci.fr)), a joint research unit between CNRS, ESPCI ParisTech and UPMC.

Current LPEM research activities span a large array of topics, ranging from solid-state physics (strongly correlated systems, superconductivity, heavy fermions, etc.) to the synthesis of colloidal nanocrystals (with applications in imaging, photovoltaics, etc.) to nanophysics and instrumentation.

The originality as well as the scientific quality of the research program will both be critical to the candidate selection. The prospects for practical applications will also be considered.

### Candidate profile

The candidate must have a solid track record in condensed matter physics research, including in its experimental aspects.

The candidate must have some teaching experience, with the ability to teach either in French or in English.



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The candidate must hold a PhD, as well as an Habilitation à diriger des recherches (HDR), or perform at an equivalent level or hold an equivalent degree.

The candidate must be a citizen of a European Community member state, of Switzerland, of Iceland or of Norway.

To apply or inquire about this position, prospective candidates may contact:

- Jérôme Lesueur, LPEM Director: [jerome.lesueur@espci.fr](mailto:jerome.lesueur@espci.fr); +33 140 794 534.
- François Lequeux, Director of Scientific Affairs: [francois.lequeux@espci.fr](mailto:francois.lequeux@espci.fr); +33 140 794 516.
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