



**Endowed position at a Professor level  
“Chaire d’Excellence”**

The Interdisciplinary Nanoscience Center of Marseille (CINaM), a laboratory working under the joint authority of the Centre National de la Recherche Scientifique (CNRS) and the Aix-Marseille University (AMU), invites applications for a full-time endowed position at a Professor level.

The research activity will be developed in the Theory and Computer Simulation department, in relation with experimental groups within the laboratory, or closely connected to it. We are looking for a candidate with a solid culture in physics including electronic structure, statistical mechanics, mechanical properties and numerical simulation methods. The laureate is expected to develop a theoretical and/or numerical research activity to investigate multiscale materials for energy and environment. A non-exhaustive list of examples include natural porous materials such as kerogens, synthetic materials for building and construction (cement, steel, glasses), or materials related to energy generation (nuclear fuel or waste) or storage (batteries, etc,...). Successful applicants should have demonstrated their ability to develop an original research along these lines.

The chair holder will help to set up an international student exchange program at the Master level between the Physics Department of AMU and foreign universities. These include the Massachusetts Institute of Technology (Civil Engineering Department), TU Vienna, Georgetown University. Teaching duties will be reduced during the chair duration.

The position will be provided by the Aix-Marseille University Foundation A\*MIDEX for a duration of three years. Conditioned to the candidate performances it will normally be followed with a *tenure full-time professor position* within the Physics Department of Aix-Marseille University. Salary, benefits and employment conditions in accordance with the French public system will depend on the achievements of the chair holder. The chair will benefit with an endowed start-up budget (post-doctoral and doctoral contracts, operating and equipment costs, travel...).

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