



Two senior tenure-track positions on spintronics

SPINTEC

Positioned at the crossroad of science and technology, **SPINTEC (SPINtronique et Technologie des Composants)**, <https://www.spintec.fr> is one of the leading spintronics research laboratories worldwide. SPINTEC was created in 2002 and rapidly expanded to currently reach 120 persons, of which 53 permanent staff from CEA, CNRS and Grenoble-Alpes University. The lab aims at bridging the gap between fundamental research and applications in spin electronics. As such, the outcome of the laboratory is not only scientific publications and communications at international conferences, but also a consistent patent portfolio and implementation of relevant functional demonstrators and device nanofabrication. The lab has launched six start-up companies in the past 15 years. This synergy has placed SPINTEC at the forefront of spintronics research, having actively contributed to the emergence in industry of spintronic memories called MRAM, on which the laboratory holds key patents and develops further exploiting magnetic tunnel junctions for various technologies.

SPINTEC benefits from an idea local environment with a large spectrum of opportunities:

- SPINTEC belongs with the Interdisciplinary Research Institute of Grenoble ([IRIG](#)), gathering 10 laboratories with of total of 1000 researchers, technicians, doctoral and post-doctoral students. IRIG covers interdisciplinary skills (physics, chemistry, biology), and provides access to cutting-edge scientific and technological platforms such as PTA cleanroom, and nano-characterization PFNC.
- The [Giant Campus](#) Site (also called Scientific Presqu'île) offers an exceptional scientific environment with partners such as CEA-LETI, Néel Institute and major European facilities (ESRF and ILL on the EPN Campus).
- The entire Campus of [Grenoble Alpes University](#), whose excellence was recently recognized by the national IDEX award, bears a collective dynamics of research challenges in all fields of knowledge.

Grenoble is a cosmopolitan city at the heart of the French Alps. One out of five people living there works in the field of research, innovation or higher education. In addition, Grenoble offers various cultural and sportive opportunities all year round.

CONTEXT

Spin electronics is a very active field of research, with discoveries of new physical effects continuously emerging, including with a growing number of bridges to other fields of physics. The growing portfolio of functionalities provided by spintronics holds the potential for a paradigm shift in the development of digital technologies, especially to lower their power consumption.

POSITIONS

Tenure-track senior Research Scientist at CNRS. The French Center for Scientific Research (CNRS) has opened a tenure-track senior research scientist, to be filled over one out of three laboratories: SPINTEC in Grenoble, Institut Jean-Lamour in Nancy, Laboratoire Albert Fert in Paris-Saclay. The position consists of five years of research scientist followed by a senior research scientist position ("Directeur de Recherches"). The focus of the position should be the fore-front of fundamental knowledge in spintronics, however in a context that may open applicative routes in the long run. We are happy to consider both the reinforcement of research directions already existing at SPINTEC, as well as open new research fields. The deadline to post the application is 14 July 2025.

Tenure-track Professorship at Université Grenoble Alpes. This position is to be filled over one out of three laboratories: SPINTEC, Institut Néel and the High Magnetic Field Laboratory. The position consists of five years of associate professor followed by a full professor position. The focus at SPINTEC is the study of fundamental concepts of spin textures and their use for applied functionalities in spin electronics, including their interaction with other degrees of freedom than spin (charges, photons, phonons). Spin textures are to be considered with a broad meaning: antiferromagnetic materials, skyrmions, 3D and other topological textures. A wide range of applied functionalities could be considered: terahertz sources, unconventional computing and AI, security components, telecommunications, sensors, memories etc. The deadline to post the application is 29 August 2025.

Profile: candidate should have a robust research track in spintronics, typically in the range 6-10 years after PhD. Inquiries and expressions of interest are to be sent to direction.spintec@cea.fr. The deadlines mentioned above are those of the formal applications to CNRS and the University. SPINTEC should be contacted as soon as possible ahead of these deadlines to investigate the potential of application and develop a research project.

Offer and formal application on the institution web sites

- CNRS offer: <https://emploi.cnrs.fr/Offres/CPJ/CPJ-2025-045/Default.aspx>
- University offer: <https://emploi.univ-grenoble-alpes.fr/concours/enseignants-chercheurs-/cpj-2025-1229393.kjsp>