

Emerging memory technologies : STT-MRAM

Instructor: Thibaut Devolder, CNRS Research Associate, Université Paris-Sud

- Technology, scaling and operation potential and status
- Including discussion on potential applications (SRAM – DRAM ?)

Thibaut Devolder

Thibaut Devolder is a CNRS Research Associate in charge of the experimental aspects of microwave magnetization dynamics in nanomagnets. He has 17 years of research experience in magnetic nanopatterning, material science and microwave magnetism. After completing his studies at the Ecole Polytechnique, he obtained his PhD in 2000 from the University Paris-XI (Orsay, France) and then entered CNRS to conduct a project to study the physical phenomena relevant for the operation speed of magnetic random access memories. He was awarded his Habilitation in 2006. He has co-authored more than 115 papers in international journals and four patents.