

## Postdoctoral position in ultrafast laser interactions and applications in microelectronics

The LP3 laboratory, a Aix-Marseille University/CNRS joint research unit invites applications for a postdoctoral position in the framework of a “House of Innovation and technology (HIT)” project of A\*MIDEX. The objective is to study the Robustness and Security of Embedded non volatile memory Technologies (RESET project) using intense infrared lasers (femtosecond regime). The successful applicant will join a team of researchers with strong expertises in femtosecond laser interactions for the modification of dielectrics and semiconductor materials. The project involves industrial and academic partners including: STMicroelectronics, CEA LETI and IM2NP.

We seek a postdoctoral applicant with a proven record of publications in one or more of the following fields: **ultrafast lasers and optics experiments, laser-material interactions, nonlinear optics, semiconductor material science and memory technologies** (especially non-volatile memories (NVM), e.g. EEPROM, Flash). Of particular interest are candidates with experience in devising laser-driven microelectronics tests. Candidates with backgrounds that broaden and complement these research directions are also encouraged to apply.

The position is immediately available. Salary is commensurate with years of postdoctoral experience. For more information and applications (including CV and a list of publications) please contact: **David Grojo**, [grojo@lp3.univ-mrs.fr](mailto:grojo@lp3.univ-mrs.fr)



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