



Karine Heydemann received a Ph.D. in Computer Science from the University of Rennes 1 in 2004. She joined UPMC in 2006. Her research work concerns the interaction between software and hardware for different objectives at the software level, in particular, it is related to software protection and robustness against physical attacks. In the recent years, she developed a research program encompassing high- and low-

level models and formal methods for automatically assessing the robustness of software protections or hardened code using formal verification. She also works on the design of generic software protections against fault attacks and their automation in a compilation flow. Karine Heydemann leads the PROSECCO project (French research fundings agency - ANR) investigating the automation of protection at compilation time and the verification of hardened assembly code. She also serves on Program Committees (CS2, SPRO, WoRIE, PROOFS, SBAC-PAD). Also, she gathered a rich and diversified experience in the creation, management, and organization of undergraduate curricula.