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| **Partner 2** | **Organisation name / Department**  **INRIA / ESTASYS and PARKAS** |  |
| **Expertise:** ESTASYS is a team of Inria Rennes and Irisa Rennes. The team is leading research on Systems of Systems, variability management, and formal modelisation/validation via statistics. PARKAS is a joint team of INRIA and École Normale Supérieure (ENS) in Paris, the top-ranked University in France. It is leading research on data-flow and synchronous languages, synthesizable models of mixed-critical, multicore and distributed cyber physical systems.  **Axel Legay** is a permanent Research Scientist at Inria Rennes and a part-time Reader at Royal Holloway University of London. He received his PhD from the University of Liège (Belgium) in 2007 (awarded with the Belgian IBM prize in computer science). He has been a BAEF postdoc at Carnegie Melon (2008) and a visiting scholar at Urbana Champaign (2010). Axel was also invited professor at Aalborg University (2010) and research scholar at Oxford University (2006). He coauthored more than 170 papers in refereed journals and international conferences, and he is or has been the advisor for 3 PhD theses. He served as a PC or GC of major conferences including TACAS, FSE, DATE, and ASE.  **Albert Cohen** is a Senior Research Scientist at INRIA and part-time Associate Professor at École Polytechnique. He graduated from ENS Lyon and received a PhD from the University of Versailles in 1999 (awarded two national prizes). He has been a visiting scholar at the University of Illinois in 2000-2001 and an invited professor at Philips Research, Eindhoven in 2006-2007. He coauthored 110 papers in refereed journals and international conferences, and he is or has been the advisor for 22 PhD theses. He served as a PC or GC of major conferences including PLDI 2017, PPoPP 2015, DAC 2012-2014, CC 2014, HiPEAC 2012.   1. Nouri, M. Bozga, A. Molnos, A. Legay and S. Bensalem. Building Faithful High-level Models and Performance Evaluation of Manycore Embedded Systems. *In MEMOCODE'14*. 2. Fabrizio Biondi, Axel Legay, Pasquale Malacaria, Andrzej Wasowski: Quantifying Information Leakage of Randomized Protocols. In *VMCAI'13*. 3. Kong et al. Compiler/run-time framework for dynamic data-flow parallelization of tiled programs. *ACM Transactions on Architecture and Code Optimization (TACO)*, 2014. 4. Upadrasta et al. Sub-polyhedral scheduling using (Unit-)two-variable-per-inequality polyhedra. In ACM Symp. on *Principles of Programming Languages (POPL)*, January 2013. 5. Cohen et al. Programming parallelism with futures in Lustre. In *ACM Conference on Embedded Software (EMSOFT)*, October 2012. Best paper award. | | |
| **Role in project:** Technical coordination of the project and Work package coordinator for WP3: Resilience. Also participation in various tasks from design to implementation. | | |