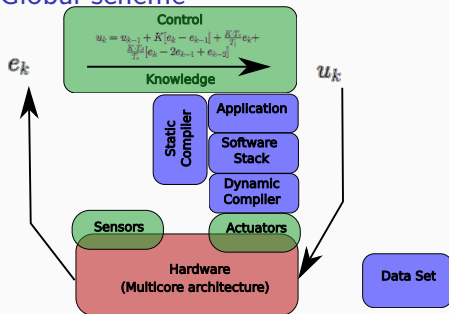


« Action team » PERSYVAL-LAB HPES High Performance Embedded Systems : Improve performance (speed, energy) of embedded systems (complex heterogeneous parallel platforms)

### Scientific topics

- ▶ High performance applications
- ▶ Compilers
- ▶ Control command theory
- ▶ Hardware architecture

### Global scheme



## Action Team HPES

## Results

- ▶ <https://persyval-lab.org/en/sites/hpes/>
- ▶ H-P. Charles (CEA), L. Fesquet (TIMA), S. Lesecq (CEA), S. Mancini (TIMA), N. Marchand (Gipsa), J-F. Méhaut (LIG), F. Rastello (Inria), B. Robu (Gipsa), E. Rutten (Inria), L. Vincent (Post-Doc), N. Zhou (PhD student)
- ▶ Dissemination : internal seminars, 1 workshop colocated with HiPEAC conference, 5 mini workshops with invited speakers associated to a PhD defense, web site
- ▶ Results : PhD Naweiluo Zhou « Système à mémoire transactionnelle et techniques de gestion adaptatives » ; Post doc Lionel Vincent (1 patent, 2 publications) ; many publications (19)
- ▶ Followup : PhD funding with ST Microelectronics ; IPL project ZEP (ZEro Power computing systems) ; Project with jLESC (Joint Laboratory for Extreme Scale Computing)