



Fiche signalétique

DONNÉES PERSONNELLES

Nom	Sartoretti
Prénom	Pascal
Etablissement	HES-SO Valais
Téléphone	+41 27 606 87 20
E-mail	pascal.sartoretti@hevs.ch
Web-page	http://isi.hevs.ch/valais/systemes-communicants.html
Groupe thématique	Systèmes nomades
Affilié - Institut	Institut Systèmes industriels
Fonction	Adjoint scientifique

COMPÉTENCES SPÉCIFIQUES

- ▶ Microprocessors systems (ARM, PIC, MSP430)
- ▶ Real time programming, data loggers (SD/MMC/CF cards)
- ▶ Low power embedded systems

DOMAINES DE RECHERCHE

- ▶ Timing systems (stopwatch, GPS)
- ▶ Embedded energy systems (Li-Ion, SMB bus)
- ▶ Smart and low power systems embedding RF communication

TRAVAUX EXEMPLAIRES

- ▶ Tag Heuer stopwatches. Time measure system with 16 channels, each has 2[us] of resolution, with or without GPS synchronization.
- ▶ Smart Stopper. A stopper integrates the catch of time on each open and close operation. Data could be read through a serial port. Stopper works with a coin battery more than 2 month.
- ▶ Car network control through CAN bus.
- ▶ MP3 player for teaching the MP3 Tags students comprehension.
- ▶ SD/MMC card based datalogger