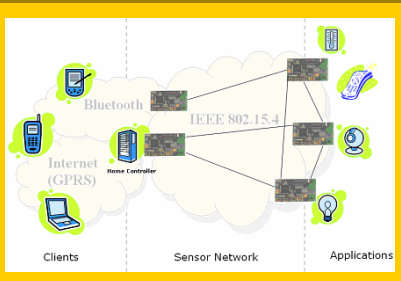


ProtoSN2:

A Platform for Prototyping Sensor Nodes and Networks



Context:



Wireless Sensor Networks are very attractive for a multitude of applications. With the recent development of new communication standards such as ZigBee, the implementation of miniaturized systems with low-power became easier.

ProtoSN2 develops such low-power hardware for SmartHome applications.

General objectives:

- *Contribute to the development of low-power hardware, software, and drivers*
- *Develop hardware and software for wireless sensor*

Results:

- *Exportable wireless sensor node*
- *Wireless switches and a dimmer switch*
- *A wireless Infra Red remote control*
- *A Solar Cell with smart power conversion*
- *Image Sensor Module*



Future Perspectives:

- *Finish the debugging of the Image Sensor Module*
- *Develop a Bluetooth Expansion Module*
- *Packaging for commercial equipments*

In cooperation with

SmartHome 

Diploma work 2005

Student :

Nicolas Pasquier

Professors EIA-FR:

Dominique Bulloz

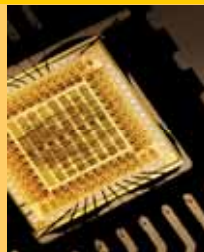
Jean-Frédéric Wagen

Professor NEU:

Guevara Noubir

Expert:

Jacques Kuenlin



Project proposed by:

