

**Second meeting**  
**USRP - based SDR for Cognitive Radio:**  
**Platform for Cooperative Spectrum**  
**Sensing and Primary User Localization**  
**PHC RILA**  
**PSULO Project**

- Date : October 27-28 2015
- Place : CentraleSupélec-Campus de Rennes Room 318



- 1) 09h45: Coffee Break
- 2) 10h15: Approval of the Agenda
- 3) 10h20: Research activities of the CAD Lab (Galia Marinova)
- 4) 10h40: Research activities of the SCEE Lab (Amor Nafkha)
- 5) USRP - based SDR for Cognitive Radio: Platform for Cooperative Spectrum Sensing and Primary User Localization
  - ❑ 11h00: Main objectives, Different tasks, Preliminary thoughts about collaborative works (Amor and Galia)
- 6) 11h 15 Action 1.1:
  - ❑ Presentation : “Energy detector using USRP”, (Zdravka)
- 7) 11h 45 Action 1.2:
  - ❑ Presentation: “Spectrum sensing algorithms: SCEE works”, (Amor)
- 6) Lunch

- 1) 14h00 Action 1.3 Cooperative spectrum sensing
  - ❑ Discussion on cooperative sensing schemas and scenarios definition (Galia, Zdravka, Malek, Amor)
- 2) 14h45 Action 1.4 Conference paper submission (Galia, Zdravka)
  - ❑ State of the arts: cooperative ED using USRP
  - ❑ Paper structure and main results
- 3) 15h30 Coffee Break
- 4) 16h00 Action 2.1 Localization of PU (Amor, Malek)
  - ❑ State of the arts: Localization techniques
  - ❑ Work in progress
  - ❑ Paper structure and main results

- 1) 09h45: Coffee Break
- 2) 10h15 Action 2.2 Discussion on future work (Galia / Amor)
- 3) 11h00 AOB, next meeting
- 4) 11:15 Start Spectrum sensing / gnuradio measurement (Zdravka)