



PROJECT DESCRIPTION

Signal Processing Advanced Techniques for Cognitive Radio Systems

The project is devoted to the design of highly efficient wireless communication systems using dynamic spectrum access. This paradigm results in better usage of the radio resource but requires transceivers with cognitive capabilities ("Cognitive Radio") in order to ensure coexistence with other services in the same frequency band. This requirement poses a series of design challenges for the physical and medium access control layers of such Cognitive Radio networks.

RESPONSIBLE UPC RESEARCHER

Prof. Javier Villares

UPC RESEARCHER CONTACT

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TYPE OF RESEARCH COOPERATION ENVISIONED

PhD estudent

FUNDING AND FACILITIES OFFERES

- Integration into the group of Signal Processing and Communications as a PhD student.
- Possibility of receiving a four-years PhD grant from the Spanish Ministry of Science and Innovation. Approximated salary: 13700 euros (1st & 2nd years), 16400 euros (3rd & 4 thyears).