FLEXNets

http://flexnets.upc.edu

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RADIO COMMUNICATIONS RESEARCH GROUP

FLEXNets Initiative

- Open source framework for flexible wireless communications networks
- > Tool for collaborations
- Supports cognitive radio systems

Major areas considered:

- Operating framework: ALOE project.
- HW designs: FLEXHW project.
- Waveforms: FLEXwave project.
- Computing resource management: FLEXCRM project.

FLEXWaves Project

- Development of industry standard waveforms
- **Given Service Service Focus on flexibility**
- Processing chains with isolated, well-characterized and flexible components
- 802.16e and UTRAN as
- Developed by master thesis students

FLEXCRM Project

- Computing Resource Management (CRM) framework
 - > Heterogeneous multiprocessor platforms
 - > Waveforms with hard real-time computing requirements

General-Purpose Mapping Algorithm

Computing Resources' Models

