

Cognitive-radio inspired wireless research challenges

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Cognitive radios represent an exciting new frontier in wireless communication that forces us to revisit and challenge many of our ingrained assumptions. In particular, the interface to the "regulatory layer" -- something that has essentially stayed the same for almost a century -- is suddenly an open question and the right answer seems to be more subtle than the simplistic "just get the governments out of the way" rhetoric that we often hear. There are real technical questions that must be solved to get the regulation right.