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Virtualization-Based Cognitive Radio Networks

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Highlights

- Integrate virtualization (multilayer hypervisors) into CRNs to improve performance.
- Allow BSs to delegate some of their management responsibilities to CR users
- Reduces control overhead which leads to reduced delay and improved throughput.
- Show how to handle multi-cell CRNs (requires addressing self-coexistence problem).
- Significant improvements gained in terms of blocking probability and throughput.

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