Topics for Seminar on LTE

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Self-organization in LTE

- Overview of self-organization in LTE [SO]
- Overview of SOCRATES project [SOC]
- Overview of End-to-End Efficiency project [E3]
Capacity Enhancement Concepts

- Macro/Micro/Femto cell concepts and deployment architectures [FEM] [FEMD]
- Coverage/Interference optimization for femtocell [CIF]
- Overview of relaying concepts in LTE [Ovr] [LTER]
• Scheduling techniques for radio resources in LTE [Ovr] [PFS]
• Inter-cell interference coordination in LTE [ICIC]
• Overview of WiMAX and comparison with LTE [WiLTE]
• Inter-RAT radio resource management [MCRM] [FCRM]
• Cognitive/flexible femtocell [E3][CFN]
• UAVs as communication platforms [UAV]
Next Steps

• Group of 3 students per topic
• Topic assignment on first come first serve basis
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References

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