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## Cognitive Radio Networks Symposium

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# Symposium Co-Chairs

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# Main Topics of Interest

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- Models, fundamental limits, and scalability of cognitive radio networks.
- MAC and networking protocols for cognitive radio networks.
- Algorithms and architectures for cognitive radios and networks.
- Statistical inference, learning, and cognition in cognitive radio networks.
- Transient behavior and stability analysis in cognitive radio networks.
- Modulation, interference propagation, aggregation, and mitigation.
- Security and robustness issues in cognitive radio networks.
- Spectrum sensing, measurements and statistical modeling of spectrum usage.
- Dynamic spectrum sharing, coexistence, and interoperability.
- Auction, pricing, and other economic aspects and approaches for dynamic spectrum access.
- Cognitive radio test-beds, simulation tools, and hardware prototypes.
- Regulatory policy and standardization.
- Cross-layer design and optimization of cognitive radio networks.
- Multimedia communications over cognitive radio networks.
- Green cognitive radio networks.
- Adaptive antennas and cognitive RF front-ends for enabling cognitive radio.
- Applications of cognitive radio and cognitive networks (e.g., public safety, vehicular networks, satellite networks).

# Current Status

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- 172 TPC members from around the world.
- 265 papers submitted.
- 94 papers recommended for acceptance.
- Acceptance rate: 35%