

# Wireless Home Communication and Networking Session: Cognitive Radio

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Physical Layer Bootstrapping Protocol for Cognitive Radio Networks

Rahman Doost-Mohammady and Gerard J. M. Janssen (Delft University of Technology, Netherlands);

Przemyslaw Pawelczak (University of California Los Angeles, USA); Hans Segers, TNO, Netherlands)

A Two-Tiered Cognitive Radio System for Interference Identification in 2.4 GHz ISM band

Kunal Rele, Dennis Roberson, Kenneth Zdunek, Bingjian Zhang, Ying Yap, Tanim Taher, Donald Ucci and Li Li (Illinois Institute of Technology, USA)

ANCPC: Adaptive Neighbor Coordinated Interference Avoidance Power Control for Cognitive Radio Ad Hoc Networks

Nan Hao and Sang-Jo Yoo (Inha University, Korea, Republic of)

Distributed Spectrum Sharing in Cognitive Radio Networks- Game Theoretical View

Yu-Yu Lin and Kwang-Cheng Chen (Graduate Institute of Communication Engineering, National Taiwan University, Taiwan)

## Energy-Efficient Transmission in Cognitive Radio Networks

Liyang Li and Hongbing Xu (University of Electronic Science and Technology of China, China);  
Xiangwei Zhou and Geoffrey Ye Li (Georgia Institute of Technology, USA); Dandan Wang and  
Anthony Soong (Huawei Technologies, USA)

## Allocation of Opportunistic Spectrum in Cognitive Radio Ad hoc Networks

Vijay S Rao, R Venkatesha Prasad, Chetan Yadati and Ignas Niemegeers (Delft University of  
Technology, Netherlands)

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