



CONFERENCIA

Distributed Beamforming and Cooperative Communications for Next Generation Wireless Broadband Systems

impartida por

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Abstract: We present a general description of current wireless communication technologies. We argue the need for cooperative wireless networks and discuss the existing methodologies. We present the distributed nature of the network and the distributed beamforming methods that use full channel state information. Then, we address the role of quantized feedback in relay networks. Finally, we discuss the effects of interference in wireless relay networks and the design of quantized feedback in wireless relay-interference networks.

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