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JOURNAL ARTICLES:

A * indicates a senior collaborator (not a graduate student, not a post-doctoral associate)

Accepted

- J57 W. Zhang and U. Mitra, **A Spectrum-Shaping Perspective on Cognitive Radio - Part I: Coexistence with Coded Legacy Transmission**, submitted to the *IEEE Transactions on Communications*, accepted September 2009.
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- J43 C. Carbonelli and U. Mitra, **Clustered ML Channel Estimation for Ultra-wideband Signals**, IEEE Transactions on Wireless Communications, vol. 6, no. 7, July 2007, pp. 2412 - 2416.
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- C158 M. Levorato, O. Simeone*, U. Mitra and M. Zorzi*, **Cooperation and Coordination in Cognitive Networks with Packet Retransmission**, Information Theory Workshop, Taormina, Sicily, October 2009.
- C157 M. Levorato, U. Mitra and M. Zorzi*, **Cognitive Interference Management in Retransmission-Based Wireless Networks**, Allerton Conference, Monticello IL, October 2009.
- C156 C. Choudhuri and U. Mitra, **On the Capacity of the Symbol-Asynchronous Relay Channel**, Allerton Conference, Monticello IL, October 2009, **invited paper**.
- C155 S. Yerramalli and U. Mitra, **Doppler Compensation in Cooperative Underwater Acoustic Networks using OFDM**, OCEANS, Biloxi MI, October 2009.
- C154 M. Levorato, O. Simeone* and U. Mitra, **Interference Management via Rate Splitting and HARQ over Time-Varying Fading Channels** Cognitive Radio Networks (CoRoNet) Workshop, ACM Mobicom 2009, Beijing China, September 21, 2009.
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- C150 G. Thatte, V. Rozgic, M. Li, S. Ghosh, U. Mitra, S. Narayanan*, M. Annavaram*, and D. Spruijt-Metz*, **Optimal Allocation of Measurements for Multi-hypothesis Activity-Detection**, 5th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS '09), Marina Del Rey, CA, June 2009 (**winner Best Applications Paper Award**).
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