

Dr. Richard S. Wolff  
Publications  
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- Jian Tang, Li Zhang, Richard S. Wolff, Weiyi Zhang, "Leveraging Cognitive Radios for Effective Communications Over Water", IEEE SECON 2010, Boston AM, June 2010.
- Brendan Mumey, Xia Zhao, Jian Tang, Richard S. Wolff, "Transmission Scheduling for Routing Paths in Cognitive Radio Mesh Networks", IEEE SECON 2010, Boston AM, June 2010.
- Wenhao Lin, Timothy Hahn, Richard S. Wolff, Brendan Mumey, "A distributed impairment aware QoS framework for all-optical networks", Journal of Optical Switching and Networking, June 2010.
- Richard S. Wolff and Elizabeth Andrews, "Broadband Access, Citizen Enfranchisement, and Telecommunications Services in Rural and Remote Areas: A Report from the American Frontier", IEEE Communications Magazine, May 2010, pp. 128-135.
- Mingliu Zhang and Richard S. Wolff, "A Border Node Based Routing Protocol for Partially Connected Vehicular Ad Hoc Networks", *Journal of Communications*, Vol 5, No 2 (2010), 130-143, Feb 2010
- T. Jackson, T. Hahn, W. Lin, R. S. Wolff and B. Mumey, "Bit Error rate reduction by power shaping in WDM networks with EDFAs", Optical Fiber Technology, 15 (2009) 425-430.
- R. Hincapie, L. Zhang, J. Tang, G. Xue and R. S. Wolff and R. Bustamante, "Efficient recovery algorithms for wireless mesh networks with cognitive radios", IEEE ICC'2009.
- Chad Bohannan, Li Zhang, Jian Tang, Richard S. Wolff, Shen Wan, Neeraj Gurdasani and Doug Galarus, "QoS Enhancement and Performance Evaluation of Ad-hoc Routing Protocols for Rural Public Safety", IEEE ICC'2009.
- Y. Xu, S. Wan, J. Tang and R. S. Wolff, Interference aware routing and scheduling in wireless backhaul networks with smart antennas, IEEE SECON'2009, Rome, Italy, June 2009.
- Sriharsha Kota Pavan, Brendan Mumey and Richard S. Wolff, "PERFORMANCE EVALUATION OF SOLITON-BASED AND NON-SOLITON ALL-OPTICAL WDM SYSTEMS", IASTED WOC' 09, Calgary, Alberta, July 2009.
- Yikun Huang, Will Tidd, Andy Olson and Richard S. Wolff, "A Compact Smart Antenna for WiMAX Radio", IEEE Mobile WiMAX Workshop, Napa CA, July 2009.
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- S. Wan, J. Tang and R. Wolff, "Reliable routing for roadside to vehicle communications in rural areas, IEEE International Conference on Communications (ICC'2008), Beijing, May 2008.

- Richard S. Wolff, "Citizen Political Enfranchisement and Information Access: Telecommunications Services in Rural and Remote Areas", Montana Media Partnership Report to the Social Science Research Council, November 2008.
- Mingliu Zhang and Richard S. Wolff, "Routing Protocols for Vehicular Ad Hoc Networks in Rural Areas", *IEEE Communications Magazine*, November, 2008, pp. 126-131.
- Wenhao Lin, Richard S. Wolff and Brendan Mumey, "Decreasing EDFA transients by power shaping", *Optical Switching and Networking*, Vol. 5, (2008), 188-195.
- Trent Jackson, Matt Lee, Timothy Hahn, Wenhao Lin, Richard S. Wolff, Brendan Mumey, Kevin Repasky, "EDFA Transient Reduction Using Power Shaping", Proceedings of the Eighth IASTED International Conference, WIRELESS AND OPTICAL COMMUNICATIONS (WOC 2008), Quebec City, Quebec, Canada, May 26-28, 2008.
- S. Wan, J. Tang and Richard S. Wolff, "Reliable routing for roadside to vehicle communications in rural areas", *IEEE International Conference on Communications (ICC'2008)*, Beijing, May 2008.
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