

by **Bernhard Walke, Stefan Mangold, Lars Berlemann**

[BOOKS](#) • [Book Chapters](#) • [Editorials](#) • [Reviewed Journal Articles](#) • [Reviewed Conference Papers](#) • [Technical Reports](#) • [Miscellaneous](#) • [Unpublished](#) • [Patents](#)

Books					
Authors	Title	Publisher	Month	Year	Download
Walke, B.	ComNets - Sonderband zur Eröffnung des ComNets-Gebäudes	Vol. 1000, p. 243, Lehrstuhl für Kommunikationsnetze, Wissenschaftsverlag Mainz	11	2008	Info + Download
Walke, B. and Mangold, S. and Berlemann, L.	IEEE 802 Wireless Systems: Protocols, Multi-Hop Mesh/Relaying, Performance and Spectrum Coexistence	p. 368, John Wiley & Sons	11	2006	Info + Download
Authors	Title	Publisher	Month	Year	Download
Walke, B. and Berlemann, L. and Hiertz, G. and Hoymann, C. and Forkel, I. and Mangold, S.	Wireless Communication -- Basics	In IEEE 802 Wireless Systems: Protocols, Multi-Hop Mesh/Relaying, Performance and Spectrum Coexistence, p.p. 7--42, Edited by Walke, Bernhard H. and Mangold, Stefan and Berlemann, Lars, Chichester, West Sussex, UK, John Wiley & Sons	11	2006	Info + Download
Hiertz, G. and Berlemann, L. and Wijaya, H. and Hoymann, C. and Mangold, S. and Walke, B.	IEEE 802.11, 802.15 and 802.16 for Mesh Networks	In IEEE 802 Wireless Systems: Protocols, Multi-Hop Mesh/Relaying, Performance and Spectrum Coexistence, p.p. 197 -- 236, Edited by Walke, Bernhard H. and Mangold, Stefan and Berlemann, Lars, Chichester, West Sussex, UK, John Wiley & Sons	11	2006	Info + Download
Phd Thesis					
Authors	Title	Publisher	Month	Year	Download
Berlemann, L.	Distributed Quality-of-Service Support in Cognitive Radio Networks	Ph. D. Dissertation RWTH Aachen University, ABMT 50, p. 272, ISBN:3-86130-179-2, Wissenschaftsverlag Mainz	02	2006	Info + Download

Conference Papers					
Authors	Title	Publisher	Month	Year	Download
Berlemann, L. and Mangold, S.	Policy-based Spectrum Navigation of Cognitive Radios in Open Spectrum	In 14th Meeting of the Wireless World Research Forum, p. 7, San Diego CA, USA	07	2005	Info + Download
Phd Thesis					
Authors	Title	Publisher	Month	Year	Download
Mangold, S.	Analysis of IEEE 802.11e and Application of Game Models for Support of Quality-of-Service in Coexisting Wireless Networks	Ph. D. Dissertation Aachen University, ABMT 35, Wissenschaftsverlag Mainz	06	2003	Info + Download
Book Chapters					
Authors	Title	Publisher	Month	Year	Download
Walke, B.	Book of Visions 2003: Chapters by Working Group 4	p. 138, John Wiley & Sons, Chichester		2004	Info + Download
Editorials					
Authors	Title	Publisher	Month	Year	Download
Walke, B.	4G Mobile Communications	In Journal of Communications and Networks http://www.jcn.or.kr	05	2005	Info + Download
Reviewed Journal Articles					
Authors	Title	Publisher	Month	Year	Download
Hiertz, G. and Max, S. and Junge, T. and Berlemann, L. and Walke, B. and Denteneer, D. and Mangold, S.	Redes mesh sem fio	In Redes, telecom e instalações, Vol. 91, p.p. 32--45, Al. Olga 315, 01155-900 São Paulo, SP Brasil	12	2007	Info + Download
Berlemann, L. and Mangold, S. and Hiertz, G. and Walke, B.	Spectrum Load Smoothing: Distributed Quality-of-Service Support for Cognitive Radios in Open Spectrum	In European Transactions on Telecommunications (ETT), p.p. 395-406	05	2006	Info + Download

Berlemann, L. and Mangold, S. and Hiertz, G. and Walke, B.	Policy Defined Spectrum Sharing and Medium Access for Cognitive Radios	In Journal of Communications (JCM), p.p. 1-12	04	2006	Info + Download
Berlemann, L. and Mangold, S. and Hiertz, G. and Walke, B.	Radio Resource Sharing Games: Enabling QoS Support in Unlicensed Bands	In IEEE Network, Special Issue Wireless Local Area Networking: QoS Provision & Resource Management , p.p. 59-65	07	2005	Info + Download
Mangold, S.	Spectrum Agile Radio: Opportunistic Usage of Spectrum Opportunities (presentation)	In Cognitive Radio Conference, p. 29, Arlington, VA, USA	10	2004	Info + Download

Reviewed Conference Papers

Authors	Title	Publisher	Month	Year	Download
Hiertz, G. and Max, S. and Junge, T. and Berlemann, L. and Denteneer, D. and Mangold, S. and Walke, B.	Wireless Mesh Networks in the IEEE LMSC	In In Proceedings of Global Mobile Congress 2006, p. 6, Beijing, China	10	2006	Info + Download
Berlemann, L. and Mangold, S. and Hiertz, G. and Walke, B.	Delay Performance of the Enhanced Distributed Channel Access of IEEE 802.11e	In IST Mobile Summit 06, p. 5, Mykonos, Greece	06	2006	Info + Download
Berlemann, L. and Mangold, S. and Hiertz, G. and Walke, B.	Policy Description of Distributed Medium Access in IEEE 802.11(e) -invited paper-	In Proceedings of European Wireless Conference 2006, p. 7, Athens, Greek	04	2006	Info + Download
Berlemann, L. and Mangold, S. and Hiertz, G. and Walke, B.	Enhanced Distributed Channel Access of IEEE 802.11e as Policy for Cognitive Radios	In Proceedings of 15th Meeting of the Wireless World Research Forum WWRF15, p. 7, Paris, France	12	2005	Info + Download

Berlemann, L. and Mangold, S. and Walke, B.	Policy-based Reasoning for Spectrum Sharing in Cognitive Radio Networks	In 1st IEEE Symposium on New Frontiers in Dynamic Spectrum Access Networks, p.p. 1-10, Baltimore MD, USA	11	2005	Info + Download
Berlemann, L. and Mangold, S. and Hiertz, G. and Walke, B.	Spectrum Load Smoothing for Cognitive Medium Access in Open Spectrum	In Proceedings of PIMRC05, p. 6, Berlin, Germany	09	2005	Info + Download
Mangold, S. and Berlemann, L.	IEEE 802.11k: Improving Confidence in Radio Resource Measurements	In Proceedings of PIMRC05, p. 5, Berlin, Germany	09	2005	Info + Download
Berlemann, L. and Hiertz, G. and Walke, B. and Mangold, S.	Strategies for Distributed QoS Support in Radio Spectrum Sharing	In Proceedings of 40th IEEE International Conference on Communications, p. 7, Seoul, Korea	05	2005	Info + Download
Berlemann, L. and Walke, B.	Spectrum Load Smoothing for Optimized Spectrum Utilization - Rationale and Algorithm	In Proceedings of IEEE Wireless Communications and Networking Conference (WCNC) 2005, p. 6, New Orleans LA, USA	03	2005	Info + Download
Berlemann, L. and Walke, B. and Mangold, S.	Behavior Based Strategies in Radio Resource Sharing Games	In Proceedings of The 15th IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, p. 7, Barcelona, Spain	09	2004	Info + Download
Berlemann, L. and Hiertz, G. and Walke, B. and Mangold, S.	Cooperation in Radio Resource Sharing Games of Adaptive Strategies	In Proceedings of IEEE Vehicular Technology Conference 2004-Fall, p. 5, Los Angeles, USA	09	2004	Info + Download
Berlemann, L. and Mangold, S. and Walke, B.	Strategies, Behaviors, and Discounting in Radio Resource Sharing Games	In Proceedings of the WWRF10, New York City, USA	10	2003	Info + Download
Mangold, S. and Berlemann, L. and Walke, B.	Equilibrium Analysis of Coexisting IEEE 802.11e Wireless LANs	In 14th IEEE International Symposium on Personal, Indoor and Mobile Radio Communications	09	2003	Info + Download

Mangold, S. and Berlemann, L. and Walke, B.	Radio Resource Sharing Model for Coexisting IEEE 802.11e Wireless LANs	In In Proc. of ICCT 2003 International Conference on Communication Technology	04	2003	Info + Download
---	--	--	----	------	-------------------------------------

Technical Reports

Authors	Title	Publisher	Month	Year	Download
Walke, B.	Gutachten zur Eignung des um ASCI- und Zusatzfunktionen erweiterten Vodafone D2 GSM-Mobilfunknetzes zur Erbringung der Dienste für das Digitalfunknetz für die Behörden und Organisationen mit Sicherheitsaufgaben (BOS)	RWTH Aachen	03	2003	Info + Download