

Publikationen nach Datum

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2004

Sievering, P.: ***Dimensionierung und Leistungsbewertung von TETRA-Bündelfunksystemen***. Ph. D. Dissertation, Aachen University, p. 336, Lehrstuhl für Kommunikationsnetze, 12/2004, ISBN: 3-86130-174-1
[[Info + Download](#)]

Mangold, S. and Zhong, Z. and Hiertz, G. and Walke, B.: ***IEEE 802.11e/802.11k wireless LAN: spectrum awareness for distributed resource sharing***. In *Wireless Communications and Mobile Computing 2004*, Vol.4 Issue 8, p.p. 881-902, 12/2004
[[Info + Download](#)]

Mangold, S. and Hiertz, G. and Walke, B.: ***Wireless Communications and Mobile Computing, Special Issue on Emerging WLAN Technologies and Applications***. , 12/2004
[[Info](#)]

Berlemann, L. and Cassaigne, A. and Pabst, R. and Walke, B.: ***Modular Link Layer Functions of a Generic Protocol Stack for Future Wireless Networks***. In *Proceedings of 2004 Software Defined Radio Technical Conference*, p. 6, Phoenix, USA, 11/2004
[[Info + Download](#)]

Mangold, S. and Zhong, Z. and Chou, C.-T.: ***Spectrum Agile Radio: Radio Resource Measurements for Opportunistic Spectrum Usage***. In *Proceedings of the IEEE Globecom 2004*, p. 5, Dallas TX, USA, 11/2004
[[Info + Download](#)]

Orfanos, G. and Habetha, J. and Liu, L.: ***MC-CDMA based IEEE 802.11 Wireless LAN***. In *Proceedings of the Twelfth IEEE International Symposium on Modeling, Analysis, and Simulation of Computer and Telecommunication Systems, MASCOTS 2004*, p.p. 400-405, Volendam, Holland, 10/2004, ISBN: 0-7695-2251-3
[[Info + Download](#)]

Orfanos, G. and Habetha, J. and Liu, L.: ***A Modified IEEE 802.11 MAC Protocol for MC-CDMA***. In *Proceedings of the First ACM International Workshop on Performance Evaluation of Wireless Ad Hoc, Sensor, and Ubiquitous Networks PE-WASUN 04*, p.p. 52-55, Venice, Italy, 10/2004, ISBN: 1-58113-959-4
[[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](#)]

Mino Diaz, E. and Gelpi, P. and von Häfen, J. and Hiebinger, L. and Jämsä, T. and Malmgren, G. and Mohr, W. and Ojanen, P. and Schultz, D.: ***The WINNER Project: Research for New Radio Interfaces for Better Mobile Services***. In *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences*, No. 10, p.p. 2592-2598, Tokyo, Japan, 10/2004
[[Info + Download](#)]

Stavroulaki, V. and Demestichas, P. and Berlemann, L. and Dodgson, T. and Brakensiek, J.:**Element Management, Flexible Air Interfaces, SDR**. In *WWRF Working Group 6 White Paper*, p. 86, 10/2004
[[Info + Download](#)]

Göbbels, S. and Siebert, M. and Schinnenburg, M. and Lott, M.:**Simulative Evaluation of Location Aided Handover in Wireless Heterogeneous Systems**. In *Proceedings of 15th International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC2004*, p. 5, Barcelona, Spain, 09/2004, ISBN: 0-7803-8524-1
[[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, ISBN: 0-7803-8524-1
[[Info + Download](#)]

Berlemann, L. and Siebert, M. and Walke, B.:**Generic Protocol Software for Reconfigurable Systems (invited presentation)**. In *E2R Workshop on Reconfigurable Mobile Systems and Networks Beyond 3G*, p. 12, Barcelona, Spain, 09/2004
[[Info + Download](#)]

Berlemann, L. and Cassaigne, A. and Walke, B.:**Generic Protocol Functions for Design and Simulative Performance Evaluation of the Link-Layer for Re-configurable Wireless Systems**. In *Proceedings of The 7th International Symposium on Wireless Personal Multimedia Communications*, p. 5, Abano Terme, Italy, 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](#)]

Hoymann, C. and Forkel, I.:**MAC Layer Concepts to Support Space Division Multiple Access in IEEE 802.16a**. In *Proceedings of The Seventh International Symposium on Wireless Personal Multimedia Communications*, p.p. V3, 300-304, Abano Terme, Italy, 09/2004
[[Info + Download](#)]

Hoymann, C. and Frattasi, S. and Coenen, P. and Cappelle, H.:**Interworking Wireless MAN and LAN systems - from Theory to Demonstration**. In *Proceedings of The Seventh International Symposium on Wireless Personal Multimedia Communications*, p.p. V3, 316-320, Abano Terme, Italy, 09/2004
[[Info + Download](#)]

Hutter, A. and Hoymann, C. and Wächter, B. and Cianca, E. and Cassiau, N.:**Advanced Link Level Techniques for Broadband MIMO Metropolitan Area Networks**. In *Proceedings of The Seventh International Symposium on Wireless Personal Multimedia Communications*, p.p. V3, 310-315, Abano Terme, Italy, 09/2004
[[Info + Download](#)]

Hiertz, G. and Zang, Y. and Zhao, R. and Habetha, J. and Mangold, S.:**Mesh networks: The benefits of interference awareness (IEEE 802.11 Standard Contribution)**. In *IEEE 802.11 WLAN Working Group Session, September 2004*, No. 11-04-1075-00-000s, p. 25, Berlin, Federal Republic of Germany, 09/2004

[[Info + Download](#)]

Pabst, R. and Walke, B. and Schultz, D. and et al. :**Relay-Based Deployment Concepts for Wireless and Mobile Broadband Radio**. In *IEEE Communications Magazine*, p.p. 80-89, New York, US, 09/2004

[[Info + Download](#)]

Esseling, N. and Walke, B. and Pabst, R.:**Performance Evaluation of a Fixed Relay Concept for Next Generation Wireless Systems**. In *Proceedings of PIMRC 2004*, p. 9, Barcelona, Spain, 09/2004, ISBN: 0-7803-8524-1

[[Info + Download](#)]

Zhao, R. and Walke, B.:**Traffic Performance of the Wireless Channel-Oriented Ad-hoc Multi-hop Broadband System**. In *Proceedings of the 2004 IEEE 60th Vehicular Technology Conference*, p. 5, Los Angeles, 09/2004, ISBN: 0-7803-8522-5

[[Info + Download](#)]

Zhao, R. and Walke, B. and Hiertz, G.:**W-CHAMB (Wireless CHannel Oriented Ad-hoc Multi-hop Broadband): A new MAC for better support of Mesh networks with QoS (IEEE 802.11 Standard Contribution)**. In *IEEE 802.11 WLAN Working Group Session, September 2004*, No. 11-04-0991-02-000s, p. 5, Berlin, Federal Republic of Germany, 09/2004

[[Info + Download](#)]

Otyakmaz, A. and Fornefeld, U. and Mirkovic, J. and Schultz, D. and Weiss, E.:**Performance Evaluation for IEEE 802.11g Hot Spot Coverage Using Sectorised Antennas**. In *Proceedings of International Symposium on Personal, Indoor and Mobile Radio Communications*, p. 6, Barcelona, Spain, 09/2004, ISBN: 0780385241

[[Info + Download](#)]

Weiss, E. and Fornefeld, U. and Xu, B. and Hischke, S.:**Performance Evaluation of A Mobile Internet Architecture with IEEE 802.11a WLAN and GPRS/UMTS**. In *Proceedings of The Seventh International Symposium on Wireless Personal Multimedia Communications, WPMC04*, p.p. V3, 130-135, Abano Terme, Italy, 09/2004

[[Info + Download](#)]

Weiss, E. and Xu, B. and Hischke, S.:**Providing Service Continuity in Ad Hoc Networks**. In *Proceedings of Lecture Notes in Informatics*, p.p. 281-285, Ulm, Germany, 09/2004, ISBN: 3-88579-380-6

[[Info + Download](#)]

Wijaya, H.:**Interoperability Concept for Wireless LANs**. In *Proceedings of IEEE VTC Fall 2004*, p. 95, Los Angeles, USA, 09/2004, ISBN: 0-7803-8521-7/04

[[Info](#)]

Forkel, I. and Schinnenburg, M. and Ang, M.:**Generation of Two-Dimensional Correlated Shadowing for Mobile Radio Network Simulation**. In *Proceedings of The 7th International Symposium on Wireless Personal Multimedia Communications, WPMC 2004*, p. 5, Abano Terme (Padova), Italy, 09/2004

[[Info + Download](#)]

Irnich, T. and Walke, B.:**Spectrum Estimation Methodology for Next Generation Wireless Systems**. In *Proceedings of PIMRC 2004*, p. 5, Barcelona, Spain, 09/2004, ISBN: 0-7803-8524-1

[[Info + Download](#)]

Irnich, T. and Kaufmann, T. and Verkamp, V.:**On the Relation Between Customer Satisfaction and**

Performance Measurements. In *Proceedings of WPMC 2004*, p. 5, Abano Terme, Italy, 09/2004
[[Info + Download](#)]

Hiertz, G. and Zang, Y. and Habetha, J.: **Multi hop connections using 802.11 (IEEE 802.11 Standard Contribution)**. In *IEEE 802.11 WLAN Working Group Session, July 2004*, No. 11-04-0709-02-000s, p. 17, Portland, OR, USA, 07/2004
[[Info + Download](#)]

Zang, Y. and Hiertz, G. and Habetha, J.: **Applications and usage scenarios for Mesh-WPAN (IEEE 802.15 Standard Contribution)**. In *IEEE 802.15 WPAN Working Group Session, July 2004*, No. 15-04-0312-00-0005, p. 16, Portland, OR, USA, 07/2004
[[Info + Download](#)]

Kriengchaiyapruk, T.: **Dynamic Channel Allocation in UTRA-TDD**. Ph. D. Dissertation, Aachen University, p. 137, Lehrstuhl für Kommunikationsnetze, 07/2004, ISBN: 3-86130-171-7
[[Info + Download](#)]

Esseling, N.: **Ein Relaiskonzept für das hochbitratige drahtlose lokale Netz HIPERLAN/2**. Ph. D. Dissertation, Aachen University, p. 307, Lehrstuhl für Kommunikationsnetze, 07/2004, ISBN: 3-86130-169-5
[[Info + Download](#)]

Farjami, P.: **Agentenbasierte Dienste in Telekommunikationsnetzen**. Ph. D. Dissertation, Aachen University, p. 245, Lehrstuhl für Kommunikationsnetze, 07/2004, ISBN: 3-86130-170-9
[[Info + Download](#)]

Weiss, E. and Xu, B. and Hischke, S.: **Performance Analysis of Prediction Based Routing Algorithms**. In *Proceedings of 2004 International Symposium on Performance Evaluation, SPECTS*, p.p. 510-517, San Jose, Ca, USA, 07/2004, ISBN: 1-56555-284-9
[[Info + Download](#)]

Agre, J. and So, T. and Ashwood-Smith, P. and Conner, W. and Sakoda, K. and Hiertz, G.: **Additional Draft Terms & Terminology for 802.11s**. In *IEEE 802.11 WLAN Working Group Session, July 2004*, No. 11-04-0822-00-000s, p. 2, Portland, OR, USA, 07/2004
[[Info](#)]

So, T. and Dick, K. and Conner, W. and Hiertz, G. and Eastlake, D. and Jou, T.-S. and Kuo, T. and Zuniga, J. and Yang, L. and Audeh, M. and Chari, N. and Sakoda, K. and Aoki, H. and Matsumoto, Y. and Omae, K. and Wong, K.: **Draft Terms and Definitions for 802.11s**. In *IEEE 802.11 WLAN Working Group Session, July 2004*, No. 11-04-0730-01-000s, p. 7, Portland, OR, USA, 07/2004
[[Info](#)]

Conner, W. and Agre, J. and Aoki, H. and Audeh, M. and Chari, N. and Dick, K. and Eastlake, D. and Habetha, J. and Hiertz, G. and Jou, T.-S. and Kuo, T. and Matsumoto, Y. and Omae, K. and Sakoda, K. and So, T. and Wong, K.: **Defining Comparable Usage Models for 802.11s**. In *IEEE 802.11 WLAN Working Group Session, July 2004*, No. 11-04-0764-00-000s, p. 6, Portland, OR, USA, 07/2004
[[Info](#)]

Lott, M. and Schulz, E. and Siebert, M. and Schinnenburg, M. and Göbbels, S.: **Netzooptimierung durch Verwendung ortsbezogener Messreporte (Measurement Supported Network Planning)**. In <http://www.priorartdatabase.com/IPCOM/000029057/>, p. 4, online publication (IPCOM #000029057D), 06/2004

[[Info + Download](#)]

Walke, B. and Pabst, R. and Berlemann, L. and Schultz, D.:**Architecture Proposal for the WINNER Radio Access Network and Protocol**. In *Proceedings of WWRFF11 Meeting*, Oslo, Norway, 06/2004, ISBN: 3-00-013978-8

[[Info + Download](#)]

Esseling, N. and Walke, B. and Pabst, R.:**Performance of MAC-Frame-Based Protocols for Mobile Broadband Systems using Layer 2 Relays**. In *Proceedings of 11th Wireless World Research Forum, WWRFF*, p. 8, Oslo, Norway, 06/2004, ISBN: 3-00-013978-8

[[Info + Download](#)]

Pabst, R. and Irnich, T. and Walke, B.:**Weighted Spectral Efficiency for the Comparison of Candidate Future Radio Access Technologies**. In *Proceedings of 11th Wireless World Research Forum, WWRFF*, p. 6, Oslo, Norway, 06/2004, ISBN: 3-00-013978-8

[[Info + Download](#)]

Irnich, T. and Walke, B.:**Spectrum Estimation Methodology for Next Generation Wireless Systems**. In *Proceedings of 11th Wireless World Research Forum, WWRFF*, p. 6, Oslo, Norway, 06/2004, ISBN: 3-00-013978-8

[[Info + Download](#)]

Hoymann, C. and Manas, P.:**Congestion Control for Interworking Wireless Systems**. In *Proceedings of IST Mobile & Wireless Communications Summit 2004*, p.p. 428-432, Lyon, France, 06/2004

[[Info + Download](#)]

Pollak, C. and Oh, S.-H. and Giralda, A. and Nikas, V. and Lioudakis, G.:**A SIP based concept for NAS signalling in combination with an all-IP core network architecture**. In *Proceedings of IST Mobile & Wireless Telecommunications Summit 2004*, Lyon, France, 06/2004

[[Info + Download](#)]

Chaouchi, H. and Pujolle, G. and Armuelles, I. and Siebert, M. and Carlos Bader, F. and Ganchev, I. and Houssos, N.:**Policy Based Networking in the Integration Effort of 4G Networks and Services**. In *Proceedings of IEEE Semiannual Vehicular Technology Conference (VTC2004-Spring)*, p. 5, Milan, Italy, 05/2004, ISBN: 0-7803-8256-0

[[Info + Download](#)]

Siebert, M. and Lott, M. and Schinnenburg, M. and Göbbels, S.:**Hybrid Information System**. In *Proceedings of IEEE Semiannual Vehicular Technology Conference (VTC2004-Spring)*, p. 5, Milan, Italy, 05/2004, ISBN: 0-7803-8256-0

[[Info + Download](#)]

Hiertz, G. and Habetha, J. and Weiss, E. and Mangold, S.:**A cut-through switching technology for IEEE 802.11**. In *Proceedings of the IEEE 6th Circuits and Systems Symposium on Emerging Technologies: Frontiers of Mobile and Wireless Communication*, Vol.2, p.p. 663--666, Shanghai, China, 05/2004, ISBN: 0-7803-7938-1

[[Info + Download](#)]

Hiertz, G. and Zang, Y. and Habetha, J.:**Mesh networks for home entertainment (IEEE 802.11 Standard Contribution)**. In *IEEE 802.11 WLAN Working Group Session, May 2004*, No. 11-04-0530-00-0mes, p. 16, Orange County, Anaheim, CA, USA, 05/2004, ISBN: 0

[[Info + Download](#)]

Hiertz, G. and Stibor, L. and Habetha, J.: ***Is the 802.11 MAC sufficient for wireless high speed mesh LANs? (IEEE 802.11 Standard Contribution)***. In *IEEE 802.11 WLAN Working Group Session, May 2004*, No. 11-04-0558-02-0mes, p. 16, Orange County, Anaheim, CA, USA, 05/2004

[[Info + Download](#)]

Ganchev, I. and Chaouchi, H. and Armuelles, I. and Siebert, M. and Houssos, N.: ***Requirements for an Integrated System and Service 4G Architecture***. In *Proceedings of IEEE Semiannual Vehicular Technology Conference (VTC2004-Spring)*, p. 5, Milan, Italy, 05/2004, ISBN: 0-7803-8256-0

[[Info + Download](#)]

Lu, W. and Walke, B. and Shen, X.: ***4G Mobile Communications: Towards Open Wireless Architecture***. In *IEEE Wireless Communications*, Vol.11, No. 2, p.p. 6-8, 04/2004

[[Info + Download](#)]

Siebert, M. and Bültmann, D. and Vorobjova, M.: ***On the Reliability of Location based Networking***. In *1st Workshop on Positioning, Navigation and Communication 2004, WPNC'04*, No. 0.1, p.p. 107-112, Edited by NICCIMON - Competence Center of Lower Saxony for I, Hannover, Germany, 03/2004, ISBN: 3-8322-2553-6

[[Info + Download](#)]

Mangold, S. and Zhong, Z.: ***Spectrum Agile Radio: Detecting Spectrum Opportunities***. In *International Symposium on Advanced Radio Technologies ISART*, p. 5, Boulder CO, USA, 03/2004

[[Info + Download](#)]

Hoymann, C. and Piggin, P.: ***Extended IE format for concurrent transmission of bursts (IEEE 802.16 Standard Contribution)***. In *IEEE Std 802.16-2004*, p. 466, Orlando, FL, USA, 03/2004, ISBN: 0-7381-4069-4

[[Info + Download](#)]

Kemper, A. and Karacan, I.: ***Improved IPv6 Packet Handling by Header Compression in UMTS***. In *In Proceedings of Next Gen. Teletraffic and Wireless Adv. Networking*, p.p. 55-60, St. Petersburg, Russia, 02/2004, ISBN: 952-15-1132-X

[[Info + Download](#)]

Kemper, A. and Malkowski, M. and Karacan, I.: ***IPv6 Performance Evaluation on Dedicated Channels in UMTS***. In *Proceedings of European Wireless 2004*, p.p. 279-283, Barcelona, Spain, 02/2004, ISBN: 84-7653-846-4

[[Info + Download](#)]

Siebert, M. and Schinnenburg, M. and Lott, M. and Göbbels, S.: ***Location Aided Handover Support for Next Generation System Integration***. In *The 5th European Wireless Conference, Mobile and Wireless Systems beyond 3G (EW2004)*, p.p. 195-202, Barcelona, Spain, 02/2004, ISBN: 84-7653-846-4

[[Info + Download](#)]

Forkel, I. and Klenner, H.: ***High Speed Downlink Packet Access (HSDPA) - A Means of Increasing Downlink Capacity in WCDMA Cellular Networks?***. In *Proceedings of the 5th European Wireless Conference: Mobile and Wireless Systems beyond 3G, EW04*, p.p. 312-318, Barcelona, Spain, 02/2004, ISBN: 84-7653-846-4

[[Info + Download](#)]

Herwono, I. and Sachs, J. and Keller, R.: ***A Prototype for the Provision of Mobility-Aware Personalized Services in Wireless Broadband Hotspots***. In *Proceedings European Wireless 2004*, p.p. 54--60, Barcelona, 02/2004, ISBN: 84-7653-846-4
[[Info + Download](#)]

Hoymann, C. and Püttner, M. and Forkel, I.: ***Initial Performance Evaluation and Analysis of the global OFDM Metropolitan Area Network Standard IEEE 802.16a / ETSI HiperMAN***. In *5th European Wireless Conference: Mobile and Wireless Systems beyond 3G (EW2004)*, p.p. 228--234, Barcelona, Spain, 02/2004, ISBN: 84-7653-846-4
[[Info + Download](#)]

Weiss, E. and Frewel, M. and Hiertz, G. and Xu, B.: ***Improving Ad Hoc Routing for Future Wireless Multihop Networks***. In *Proceedings of the fifth European Wireless Conference: Mobile and Wireless Systems beyond 3G, EW04*, Vol.5, p.p. 358-364, Barcelona, Spain, 02/2004, ISBN: ISBN 84-7653-846-4
[[Info + Download](#)]

Siebert, M. and Chaouchi, H. and Armuelles, I. and Passas, N. and Ganchev, I. and O'Droma, M.: ***System and Service Integration in Heterogeneous Networks by a Policy Based Network Architecture***. In *Proceedings of European Wireless 2004*, p.p. 202-208, Barcelona, Spain, 02/2004, ISBN: 84-7653-846-4
[[Info + Download](#)]

Pabst, R. and Verstraeten, H.-D.: ***Evaluating Inter-System-Interference for the Spectral Coexistence of EDGE and UMTS in a Hybrid Scenario***. In *Proceedings European Wireless 2004*, p.p. 469-474, Barcelona, Spain, 02/2004, ISBN: 84-7653-846-4
[[Info + Download](#)]

Alonistioti, N. and Kaloxylos, A. and Chaouchi, H. and Siebert, M. and Ganchev, I. and Bader, F.: ***Business Model and Generic Architecture for Integrated Systems and Services: The ANWIRE Approach***. In *Presentations and documents presented at the WWRF8bis Meeting in Beijing, China 26 - 27 February 2004*, p. 8, WWRF8bis Meeting, Beijing, China , 02/2004
[[Info + Download](#)]

Herwono, I. and Göbbels, S. and Sachs, J. and Keller, R.: ***Evaluation of Mobility-Aware Personalized Services in Wireless Broadband Hotspots***. In *Proceedings Communication Networks and Distributed Systems Modeling and Simulation 2004*, Vol.1, San Diego, California, USA, 01/2004
[[Info + Download](#)]

Hoymann, C. and Walke, B. and Coenen, P. and Engels, M.: ***Congestion control mechanism for interworking between WLAN and WMAN (IEEE 802.16 Standard Contribution)***. In *IEEE Std 802.16-2004*, Vancouver, BC, Canada, 01/2004, ISBN: 0-7381-4069-4
[[Info + Download](#)]

Gehlen, G. and Bergs, R.: ***Performance of mobile Web Service Access using the Wireless Application Protocol (WAP)***. In *Proceedings of World Wireless Congress 2004*, p.p. 427-432, San Francisco, USA, 2004
[[Info + Download](#)]

Walke, B.: ***Book of Visions 2003: Chapters by Working Group 4*** . , p. 138, 2004
[[Info](#)]