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AREAS OF INTEREST:

Internet Protocols, Mobile IP, Multicast, Multimedia & P2P Networking
Internet Measurement & Analysis, Network Management

EDUCATION & CIVIL SERVICE:

07/2008	Submission of Master's thesis "Scalable Adaptive Group Communication on Bi-directional Shared Prefix Trees"
10/2002 – 04/2009	Study of computer science (major) and contemporary German literature (minor) at Freie Universität Berlin
04/2002 – 09/2002	Study of mathematics at Freie Universität Berlin
08/2001 – 05/2002	Civil service
08/1994 – 06/2001	Georg-Forster-Oberschule Berlin (High School)

WORK & RESEARCH EXPERIENCES:

05/2009 – now	PhD student in the Computer Systems and Telematics group (Prof. Schiller) at the Freie Universität (FU) Berlin
2007 – 2011	Teaching assistant for course Broadband Communication at the University of Reading, UK, School of Systems Engineering
04/2007 – now	Lecturer for Mobile Internet & Security at the Haus der Technik
07/2006	Co-founder of the start-up link-lab
05/2006 – 03/2009	Research student in the Internet Technologies group (Prof. Schmidt) at Hamburg University of Applied Sciences (HAW)
04/2002 – 05/2006	Student assistant in the networking group of the computer center at the University of Applied Sciences Berlin (FHTW Berlin)
08/1998 – 04/2002	Project collaborator in the networking group of the computer center of the FHTW Berlin
07/1998 – 08/1998	Internship at the computer center of the FHTW Berlin

MEMBERSHIPS:

ACM, IEEE, IEEE ComSoc, German VDE/ITG, GI-ITG
MMB

SELECTED PUBLICATIONS:

1. M. Wählisch, T. C. Schmidt, and G. Wittenburg, "On Predictable Large-Scale Data Delivery in Prefix-based Virtualized Content Networks," *Computer Networks*, vol. 55, no. 18, pp. 4086–4100, Dec. 2011.
2. T. C. Schmidt, M. Waelisch, and S. Krishnan, "Base Deployment for Multicast Listener Support in Proxy Mobile IPv6 (PMIPv6) Domains," IETF, RFC 6224, April 2011. [Online]. Available: <http://www.rfc-editor.org/rfc/rfc6224.txt>
3. M. Wählisch, "Modeling the Network Topology," in *Modeling and Tools for Network Simulation*, K. Wehrle, M. Günes, and J. Gross, Eds. Heidelberg: Springer, 2010, pp. 471–486.

HONORS & AWARDS:

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|---------------|---|
| Awards | Young Talents Award of the Leibniz-Kolleg Potsdam for Outstanding Achievements in Advancing the Internet and its Applications, 2011 (2.500 EUR)
First prize of the International IPv6 Application Contest 2009 (10.000 EUR; joint work with daviko & INET, HAW Hamburg)
Best Paper Award at the 4th International Conference on Internet and Web Applications and Services, 2009
Diploma Thesis Award 2008 in silver of the Semiramis Research and Service Unit (SeReS Unit), University of Innsbruck
Participation at the GI Dagstuhl seminar “Modeling Techniques for Computer Networks Simulation”, Schloss Dagstuhl, 2008
Outstanding Paper Award at 3rd Intern. Conf. on Wavelet Analysis and Its Applications, Chongqing, 2003 |
| Travel Grants | TERENA Networking Conference 2011 participation grant sponsored by Cisco Systems
TERENA Networking Conference 2010 participation grant sponsored by Cisco Systems
ACM CoNEXT 2009 student travel grant
IEEE INFOCOM 2009 student travel grant
TERENA Networking Conference 2009 participation grant sponsored by Cisco Systems
ACM CoNEXT 2007 student travel grant |

PROFESSIONAL ACTIVITIES:

Co-organization

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|------|---|
| 2012 | Co-Chair of <i>1st ACM International Workshop on Sensor-Enhanced Safety and Security in Public Spaces (SESP 2012)</i> , held in conjunction with ACM MobiHoc, 2012
Students Grants Chair of <i>37th IEEE Conference on Local Computer Networks (LCN)</i> , 2012
Publicity Chair of <i>4th International Workshop on Peer-to-peer computing and Online Social neTworking (HotPOST)</i> , held in conjunction with IEEE ICDCS '12, 2012 |
| 2011 | Co-founder & Publicity Chair of <i>1st International Conference on Consumer Electronics – Berlin (IEEE ICCE-Berlin)</i> , 2011
TPC Co-Chair of <i>Scalable Adaptive Multicast in P2P Overlays</i> , Special Session at the 8th Annual IEEE CCNC, 2011 |
| 2010 | Co-Chair of <i>IEEE PerGroup – 1st IEEE International Workshop on Pervasive Group Communication</i> , 2010 (in conjunction with IEEE GLOBECOM'10)
TPC Co-Chair of <i>Scalable Adaptive Multicast in P2P Overlays</i> , Special Session at the 7th Annual IEEE CCNC, 2010
Local Arrangement Co-Chair of <i>2nd Google Android Conference (droidcon)</i> , 2010 |
| 2009 | TPC Vice-Chair of <i>2nd International ACM/ICST Workshop on OMNeT++</i> , 2009 (in conjunction with SIMUTools'09) |
| 2008 | Co-Organizer of <i>Zur Wellenmechanik der Pixel</i> , 2008 (Colloquium in honor of Hans L. Cycon) |
| 2007 | TPC Co-Chair of <i>European Conference on Applied IPv6</i> , 2007 |

	Workshop Co-Chair of <i>Next Generation eLearning Content Management with hylOs: Semantic Networking, Reusable Structuring & Mobile Learning</i> (Pre-conference Workshop at ICL'07)
	Workshop Co-Chair of <i>Authoring eLearning Content: Augmentation & Reuse, Paradigms & Practical Experiences</i> , 2007 (Workshop at the 4. Fernausbildungskongress der Bundeswehr)
Journal Referee	Elsevier Computer Communications IEEE Communications Letters IEEE Communications Magazine IEEE Transactions on Multimedia International Journal of Digital Multimedia Broadcasting Journal of Communications Wiley European Transactions on Telecommunications
Book Referee	P2P Handbook (Springer-Verlag)
TPC	SNDS'12, OMNeT++'12, ICACCI'12, IEEE CCNC'12, HotPOST'11 (at IEEE ICPADS), IMSAA'11, AFIN'11, IEEE LCN'11, IEEE ICCE-Berlin'11, IEEE CCNC'11, P2PNet'10 (at IEEE ICPADS), IEEE LCN'10, IEEE CCNC'10, MP2P-Nets'10 (at Mobility Conference), IWCMC'10, ICN'10, ACM/ICST OMNeT++'10, IEEE LCN'09, Mobile P2P Workshop'09 (at IWCMC), ICN'09, ACM/ICST OMNeT++'09, ICN'08, ECAI6'07
External Referee	MILCOM'11, IEEE GI'10 (at IEEE INFOCOM), IEEE ISCE'10, ACM Co-NEXT Student Workshop 2009, IEEE IMSAA'09
Standardisation	Regular Participant in IETF/IRTF Work
Expert Evaluator	european e-Learning award (eureleA) 2007, 2008

INVITED TALKS:

(Mobile) Internet-Kommunikation – Aktuelle Themen zur Sicherheit, IT Security Seminar, Technische Hochschule Wildau, Germany, January 2012.

Wie sicher ist eigentlich der Cyberspace, 4. Nacht des Wissens, Hamburg, Germany, Oct. 2011.

HAMcast – A system-centric architecture to enable a universal multicast service in the Future Internet, Institute of Telematics, KIT, Karlsruhe, Germany, October 2011.

INTERVIEWS:

Bin Raiding, hallo deutschland, ZDF, 05.01.2012

Immunsystem für Smartphone, Wissenswerte: Forschung im Gespräch, rbb Inforadio, 22.12.2011

Schadsoftware auf dem Smartphone – Wie wir unsere Minicomputer vor Viren und Trojanern schützen können, Wissenschaftssendung Leonardo, WDR 5 – Hörfunk, 07.12.2011

Experten antworten. Zum Thema Bin Raiding, Schwäbische Zeitung, 06.12.2011

Bin Raiding: Die unterschätzte Gefahr, WISO, ZDF, 28.11.2011

Web-Überwachung: Neues Internet-Protokoll erschwert anonymes Surfen, SPIEGEL ONLINE, 18.11.2010

Internetangriff: US-Kommission wirft China Datenentführung vor, SPIEGEL ONLINE, 17.11.2010

PARTICIPATION IN FAIRS:

CeBIT 2008	Moviecast – First H.264-videoconference software for smartphones and mobiles
Online Educa 2007	Combining LMS and LCMS with hylOs
CeBIT 2007	hylOs – Mobile learning and mobile videoconferencing
Learntec 2007	hylOs – Easy semantic content creation
Online Educa 2006	hylOs – The Hypermedia Learning Object System
CeBIT 2006	hylOs – Instructional Design Tools

SUPERVISED BSc THESES/STUDENT PROJECTS:

1. Fabian Holler: *Konzeption und Entwicklung einer Client-seitigen RPKI-RTR Library zur Validierung der Präfix-Zugehörigkeit von autonomen Systemen in BGP-Routen*. Bachelor Thesis, Department Informatik, Hamburg University of Applied Sciences, November 2011.
2. Till Weisfeld: *Implementierung von MLDv2 für OMNeT++*. Student research project, Department of Mathematics and Computer Science, Freie Universität Berlin, Berlin, Germany, September 2010.

PUBLICATIONS

BOOK CHAPTERS

- [1] M. Wählisch, “Modeling the Network Topology,” in *Modeling and Tools for Network Simulation*, K. Wehrle, M. Günes, and J. Gross, Eds. Heidelberg: Springer, 2010, pp. 471–486.
- [2] S. Kaune, M. Wählisch, and K. Pussep, “Modeling the Internet Delay Space and its Application in Large Scale P2P Simulation,” in *Modeling and Tools for Network Simulation*, K. Wehrle, M. Günes, and J. Gross, Eds. Heidelberg: Springer, 2010, pp. 427–446.
- [3] P. Di, M. Wählisch, and G. Wittenburg, “Modeling the Network Layer and Routing Protocols,” in *Modeling and Tools for Network Simulation*, K. Wehrle, M. Günes, and J. Gross, Eds. Heidelberg: Springer, 2010, pp. 359–384.
- [4] M. Wählisch and T. C. Schmidt, “Multicast Routing in Structured Overlays and Hybrid Networks,” in *Handbook of Peer-to-Peer Networking*, X. Shen, H. Yu, J. Buford, and M. Akon, Eds. New York Heidelberg: Springer, January 2010, pp. 897–932.
- [5] T. C. Schmidt and M. Wählisch, “Group Conference Management with SIP,” in *SIP Handbook: Services, Technologies, and Security of Session Initiation Protocol*, S. Ahson and M. Ilyas, Eds. Boca Raton, FL, USA: CRC Press, 2008, pp. 123–158, on invitation.
- [6] T. C. Schmidt and M. Wählisch, “Mobile Multicast,” in *Encyclopedia of Mobile Computing & Commerce*, D. Taniar, Ed. Hershey, PA, USA: Idea Group Reference, 2007, pp. 541–545.
- [7] H. L. Cycon, T. C. Schmidt, and M. Wählisch, “Mobile Serverless Video Communication,” in *Encyclopedia of Mobile Computing & Commerce*, D. Taniar, Ed. Hershey, PA, USA: Idea Group Reference, 2007, pp. 589–595.

JOURNALS

- [8] M. Wählisch, T. C. Schmidt, and G. Wittenburg, “On Predictable Large-Scale Data Delivery in Prefix-based Virtualized Content Networks,” *Computer Networks*, vol. 55, no. 18, pp. 4086–4100, Dec. 2011.
- [9] T. C. Schmidt, M. Wählisch, B. Jochheim, and M. Gröning, “WiSec 2011 Poster: Context-adaptive Entropy Analysis as a Lightweight Detector of Zero-day Shellcode Intrusion for Mobiles,” *ACM SIGMOBILE Mobile Computing and Communications Review (MC2R)*, vol. 15, no. 3, pp. 47–48, July 2011.
- [10] H. L. Cycon, T. C. Schmidt, M. Wählisch, D. Marpe, and M. Winken, “A Temporally Scalable Video Codec and its Applications to a Video Conferencing System with Dynamic Network Adaption for Mobiles,” *IEEE Transactions on Consumer Electronics*, vol. 57, no. 3, pp. 1408–1415, August 2011.
- [11] T. C. Schmidt, M. Wählisch, M. de Brühn, and T. Häberlen, “Ein Routing-Atlas für die strukturelle und visuelle Exposition des deutschen Internets,” *Praxis der Informationsverarbeitung und Kommunikation (PIK)*, vol. 34, no. 2, pp. 60–72, June 2011.
- [12] T. C. Schmidt, G. Hege, M. Wählisch, H. L. Cycon, M. Palkow *et al.*, “Distributed SIP Conference Management with Autonomously Authenticated Sources and its Application to an H.264 Videoconferencing Software for Mobiles,” *Multimedia Tools and Applications*, vol. 53, no. 2, pp. 349–370, June 2011.
- [13] T. C. Schmidt, M. Wählisch, and M. Wodarz, “Fast Adaptive Routing Supporting Mobile Senders in Source Specific Multicast,” *Telecommunication Systems*, vol. 43, no. 1, pp. 95–108, February 2010.

- [14] O. Christ, T. C. Schmidt, and M. Wählisch, “Towards Seamless Source Mobility in SSM - Design and Evaluation of the Tree Morphing Protocol,” *International Journal of Internet Protocol Technology (IJIPT)*, vol. 3, no. 4, pp. 205–215, 2008.
- [15] H. L. Cycon, T. C. Schmidt, G. Hege, M. Wählisch, and M. Palkow, “Let’s Meet at the Mobile – Learning Dialogs with a Video Conferencing Software for Mobile Devices,” *International Journal of Interactive Mobile Technologies (iJIM)*, vol. 3, no. 3, pp. 21–25, July 2009.
- [16] T. C. Schmidt, M. Wählisch, O. Christ, and G. Hege, “AuthoCast — a mobility-compliant protocol framework for multicast sender authentication,” *Security and Communication Networks*, vol. 1, no. 6, pp. 495–509, December 2008, special issue Secure Multimedia Communication.
- [17] M. Wählisch, T. C. Schmidt, and W. Spät, “What is happening from behind?: Making the impact of Internet topology visible,” *Campus-Wide Information Systems*, vol. 25, no. 5, pp. 392–406, November 2008, special issue, selected papers from the TERENA networking conference 2008.
- [18] H. L. Cycon, T. C. Schmidt, M. Wählisch, H. Regensburg, and M. Palkow, “Video-based eLearning in Groups — Combining SIP and Multicast in a Mobile Learning Internet Infrastructure,” *International Journal of Mobile Learning and Organisation*, vol. 2, no. 4, pp. 329–345, October 2008, special issue, selected papers from the IMCL 2007.
- [19] M. Wählisch and T. C. Schmidt, “Between Underlay and Overlay: On Deployable, Efficient, Mobility-agnostic Group Communication Services,” *Internet Research*, vol. 17, no. 5, pp. 519–534, 2007, selected papers from the TERENA networking conference 2007.
- [20] T. C. Schmidt and M. Wählisch, “Morphing Distribution Trees – On the Evolution of Multicast States under Mobility and an Adaptive Routing Scheme for Mobile SSM Sources,” *Telecommunication Systems*, vol. 33, no. 1–3, pp. 131–154, December 2006.
- [21] T. C. Schmidt and M. Wählisch, “Extending SSM to MIPv6 – Problems, Solutions and Improvements,” *Computational Methods in Science and Technology*, vol. 11, no. 2, pp. 147–152, 2005, selected papers from the TERENA networking conference 2005. [Online]. Available: <http://www.man.poznan.pl/cmst/vol11p2.html>
- [22] T. C. Schmidt and M. Wählisch, “Predictive versus Reactive — Analysis of Handover Performance and Its Implications on IPv6 and Multicast Mobility,” *Telecommunication Systems*, vol. 30, no. 1/2/3, pp. 123–142, November 2005.
- [23] H. L. Cycon, M. Palkow, T. C. Schmidt, M. Wählisch, and D. Marpe, “A fast wavelet-based video codec and its application in an IP version 6-ready serverless videoconferencing system,” *International Journal of Wavelets, Multiresolution and Information Processing*, vol. 2, no. 2, pp. 165–171, June 2004, special issue, selected papers from the Third International Conference on Wavelet Analysis and Its Applications (ICWAA ’03).
- [24] T. C. Schmidt, M. Wählisch, H. L. Cycon, and M. Palkow, “Global serverless videoconferencing over IP,” *Future Generation Computer Systems*, vol. 19, no. 2, pp. 219–227, February 2003, selected papers from the TERENA networking conference 2002.

CONFERENCE & WORKSHOP PROCEEDINGS

- [25] Y. Yang, M. Wählisch, Y. Zhao, and M. Kyas, “RAID the WSN: Packet-based Reliable Cooperative Diversity,” in *Proc. of the IEEE International Conference on Communications (ICC)*. Piscataway, NJ, USA: IEEE Press, 2012, accepted for publication.
- [26] M. Wählisch, T. C. Schmidt, M. de Brün, and T. Häberlen, “Exposing a Nation-Centric View on the German Internet – A Change in Perspective on the AS Level,” in *Proc. of the 13th Passive and Active Measurement Conference (PAM)*. Berlin Heidelberg: Springer-Verlag, 2012, accepted for publication.

- [27] S. Trapp, M. Wählisch, and J. Schiller, “Short Paper: Can Your Phone Trust Your Friend Selection?” in *Proc. of the 1st ACM CCS Workshop on Security and Privacy in Mobile Devices (SPSM)*. New York: ACM, 2011, pp. 69–74.
- [28] A. Knauf, G. Hege, T. C. Schmidt, L. Grimm, T. Kluge, P. Pogrzeba *et al.*, “Eine mobile VoIP Anwendung auf Basis eines RELOAD P2P Overlays,” in *Wireless Communication and Information, Digital Divide and Mobile Applications*, J. Sieck, Ed. Boizenburg, Germany: Verlag Werner Hülsbusch, Oct. 2011, pp. 131–136.
- [29] S. Meiling, D. Charousset, T. C. Schmidt, and M. Wählisch, “Implementierung und Performance-Evaluierung einer systemzentrierten Middleware-Komponente für einen universellen Multicast-Dienst,” in *Report 298, 6. GI/ITG Workshop Leistungs-, Zuverlässigkeits- und Verlässlichkeitsbewertung von Kommunikationsnetzen und verteilten Systemen (MMB-net11)*. Hamburg, Germany: Universität Hamburg, Dept. Informatik, Sep 2011, pp. 80–88.
- [30] S. Meiling, D. Charousset, T. C. Schmidt, and M. Wählisch, “HAMcast: Entwicklung und Evaluierung einer Architektur zur universellen Gruppenkommunikation im Internet,” in *4. DFN-Forum Kommunikationstechnologien, Beiträge der Fachtagung*, ser. Lecture Notes in Informatics, P. Müller, B. Neumair, and G. D. Rodosek, Eds., vol. 187. German Informatics Society, June 2011, p. 149.
- [31] M. Wählisch, S. Meiling, and T. C. Schmidt, “A Framework for Nation-Centric Classification and Observation of the Internet,” in *Proc. of the 6th ACM SIGCOMM International Conference on emerging Networking EXperiments and Technologies (CoNEXT’10). Student Workshop*. New York: ACM, 2010.
- [32] M. Wählisch, T. C. Schmidt, S. Meiling, M. de Brün, and T. Häberlen, “Towards a Nation-Centric Understanding of the Internet,” in *Proc. of the 6th ACM SIGCOMM International Conference on emerging Networking EXperiments and Technologies (CoNEXT’10). Student Workshop*. New York: ACM, 2010.
- [33] S. Meiling, D. Charousset, T. C. Schmidt, and M. Wählisch, “System-assisted Service Evolution for a Future Internet – The HAMcast Approach to Pervasive Multicast,” in *Proc. of IEEE GLOBECOM 2010 Workshops. MCS 2010*. Piscataway, NJ, USA: IEEE Press, December 2010, pp. 913–917.
- [34] H. L. Cycon, G. Hege, D. Marpe, M. Palkow, T. C. Schmidt, and M. Wählisch, “Adaptive Temporal Scalability of H.264-compliant Video Conferencing in Heterogeneous Mobile Environments,” in *Proc. of IEEE GLOBECOM 2010*. Piscataway, NJ, USA: IEEE Press, December 2010.
- [35] A. Knauf, G. Hege, T. C. Schmidt, and M. Wählisch, “A Virtual and Distributed Control Layer with Proximity Awareness for Group Conferencing in P2PSIP,” in *Proc. of IPTComm 2010*. New York: ACM, August 2010.
- [36] H. L. Cycon, T. C. Schmidt, M. Wählisch, D. Marpe, M. Winken, G. Hege *et al.*, “Optimized Temporal Scalability for H.264 based Codecs and its Applications to Video Conferencing,” in *14th IEEE International Symposium on Consumer Electronics (ISCE’10)*. Piscataway, NJ, USA: IEEE Press, May 2010.
- [37] T. C. Schmidt and M. Wählisch, “System-level Service Assurance – The HAMcast Approach to Global Multicast,” in *Proc. of 6th TridentCom*, ser. LNICST, vol. 46. Berlin Heidelberg: Springer-Verlag, Mai 2010, pp. 635–639.
- [38] T. C. Schmidt and M. Wählisch, “The Character of G-LAB – An Analysis of the German Lab for Future Internet Research and its Opportunities for Experimentally Driven Service Development,” in *Proceedings of the TERENA Networking Conference (TNC 2010)*, J.-P. L. Guigner *et al.*, Eds. Amsterdam: TERENA, June 2010. [Online]. Available: http://tnc2010.terena.org/schedule/presentations/show.php?pres_id=37

- [39] M. Wählisch and T. C. Schmidt, “Peer the Peers: An Overlay ID Assignment Service at Internet Exchange Points,” in *Proc. of the 5th ACM SIGCOMM International Conference on emerging Networking EXperiments and Technologies (CoNEXT’09). Student Workshop*. New York: ACM, December 2009, pp. 45–46.
- [40] M. Wählisch and T. C. Schmidt, “An a Priori Estimator for the Delay Distribution in Global Hybrid Multicast,” in *Proc. of the 5th ACM SIGCOMM International Conference on emerging Networking EXperiments and Technologies (CoNEXT’09). Student Workshop*. New York: ACM, December 2009, pp. 19–20.
- [41] M. Wählisch, T. C. Schmidt, and G. Wittenburg, “A Common API for Hybrid Group Communication,” in *Proc. of the 34th IEEE Conference on Local Computer Networks (LCN)*, M. Younis and C. T. Chou, Eds. Piscataway, NJ, USA: IEEE Press, October 2009, pp. 265–268.
- [42] M. Wählisch, T. C. Schmidt, and G. Wittenburg, “BIDIR-SAM: Large-Scale Content Distribution in Structured Overlay Networks,” in *Proc. of the 34th IEEE Conference on Local Computer Networks (LCN)*, M. Younis and C. T. Chou, Eds. Piscataway, NJ, USA: IEEE Press, October 2009, pp. 372–375.
- [43] A. Knauf, T. C. Schmidt, and M. Wählisch, “Scalable Distributed Conference Control in Heterogeneous Peer-to-Peer Scenarios with SIP,” in *Proc. of the 5th ACM/ICST International Mobile Multimedia Communications Conference (MobiMedia)*. Brussels, Belgium: ICST, September 2009.
- [44] M. Wählisch, T. C. Schmidt, and G. Wittenburg, “OASIS: An Overlay Abstraction for Re-Architecting Large Scale Internet Group Services,” in *Future Multimedia Networking. 2nd International Workshop, FMN 2009, Proceedings*, ser. Lecture Notes in Computer Science, A. Mauthe, S. Zeadally, E. Cerqueira, and M. Curado, Eds., vol. 5630. Berlin Heidelberg: Springer-Verlag, 2009, pp. 95–106.
- [45] H. L. Cycon, G. Hege, D. Marpe, M. Palkow, T. C. Schmidt, and M. Wählisch, “Connecting the Worlds: Multipoint Videoconferencing Integrating H.323 and IPv4, SIP and IPv6 with Autonomous Sender Authentication,” in *13th IEEE International Symposium on Consumer Electronics (ISCE’09)*. Piscataway, NJ, USA: IEEE Press, May 2009, pp. 890–893.
- [46] M. Wählisch, T. C. Schmidt, and G. Hege, “Overlay AuthoCast: Distributed Sender Authentication in Overlay Multicast,” in *Proceedings of the 28th IEEE INFOCOM. Student Workshop*. Piscataway, NJ, USA: IEEE Press, April 2009, extended abstract.
- [47] M. Wählisch, T. C. Schmidt, and G. Wittenburg, “A Generalized Group Communication Network Stack and its Application to Hybrid Multicast,” in *Proceedings of the 28th IEEE INFOCOM. Student Workshop*. Piscataway, NJ, USA: IEEE Press, April 2009, extended abstract.
- [48] M. Wählisch, T. C. Schmidt, and G. Wittenburg, “Broadcasting in Prefix Space: P2P Data Dissemination with Predictable Performance,” in *Proceedings of the Fourth International Conference on Internet and Web Applications and Services (ICIW’09)*, M. Perry, H. Sasaki, M. Ehmann, G. O. Bellot, and O. Dini, Eds. Los Alamitos, CA, USA: IEEE Computer Society Press, May 2009, pp. 74–83.
- [49] G. Hege, T. C. Schmidt, M. Wählisch, H. L. Cycon, and M. Palkow, ““Als die Filme laufen lernten” — Session Mobility for Videoconferencing on Mobiles,” in *Proceedings of the TERENA Networking Conference (TNC 2009)*, A. Cormack *et al.*, Eds. TERENA, Amsterdam, June 2009, accepted for publication. [Online]. Available: <http://tnc2009.terena.org/programme/>
- [50] T. C. Schmidt, M. Wählisch, and O. Christ, “AuthoCast – A Protocol for Mobile Multicast Sender Authentication,” in *Proceedings of the 6th International Conference on Advances in Mobile Computing & Multimedia (MoMM 2008)*, G. Kotsis, D. Taniar, E. Pardede, and I. Khalil, Eds. New York: ACM, November 2008, pp. 142–149.

- [51] H. L. Cycon, T. C. Schmidt, G. Hege, M. Wählisch, and M. Palkow, “Let’s Meet at the Mobile – Learning Dialogs with a Video Conferencing Software for Mobile Devices,” in *Proceedings of the 11th International Conference Interactive Computer aided Learning (ICL’08). The Future of Learning – Globalizing in Education*, M. E. Auer, Ed. Kassel: Kassel University Press, September 2008.
- [52] T. C. Schmidt, M. Wählisch, and M. Wodarz, “ETM – An Optimized Routing Protocol for Mobile SSM Sources,” in *Wireless and Mobile Networking. 10th IFIP Intern. Conf. on Mobile and Wireless Communications Networks (MWCN 2008)*, ser. IFIP International Federation for Information Processing, Z. Mammeri, Ed., vol. 284. Berlin Heidelberg: Springer-Verlag, September 2008, pp. 29–40.
- [53] O. Christ, T. C. Schmidt, and M. Wählisch, “Towards Seamless Handovers in SSM Source Mobility – An Evaluation of the Tree Morphing Protocol,” in *Proceedings of the IEEE NGMAST’08 Conference. IEEE International Workshop on Future Multimedia Networking (FMN’08)*, K. Al-Begain and A. Cuevas, Eds. Los Alamitos, CA, USA: IEEE Computer Society Press, September 2008, pp. 456–461.
- [54] T. C. Schmidt and M. Wählisch, “Mobile Group Communication – A Hybrid Perspective,” in *8th Würzburg Workshop on IP: Joint EuroNF, ITC, and ITG Workshop on Visions of “Future Generation Networks”*, P. Tran-Gia, M. Menth, and T. Hoßfeld, Eds. Würzburg: University of Würzburg, July 2008, poster. [Online]. Available: <http://www3.informatik.uni-wuerzburg.de/ITG/2008/program.shtml>
- [55] H. L. Cycon, T. C. Schmidt, G. Hege, M. Wählisch, D. Marpe, and M. Palkow, “Peer-to-Peer Videoconferencing with H.264 Software Codec for Mobiles,” in *The 9th IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM’08). 1st IEEE Workshop on Mobile Video Delivery (MoViD) 2008*. Piscataway, NJ, USA: IEEE Press, 2008.
- [56] M. Wählisch, T. C. Schmidt, and W. Spät, “What is Happening from Behind? – Making the Impact of Internet Topology Visible,” in *Proceedings of the TERENA Networking Conference (TNC 2008)*, D. R. Lopez *et al.*, Eds. Bruges, Belgium: TERENA, Amsterdam, May 2008. [Online]. Available: <http://tnc2008.terena.org/programme/>
- [57] H. L. Cycon, T. C. Schmidt, G. Hege, M. Wählisch, and M. Palkow, “An Optimized H.264-based Video Conferencing Software for Mobile Devices,” in *12th IEEE International Symposium on Consumer Electronics ISCE 2008 Proceedings*. Piscataway, NJ, USA: IEEE Press, April 2008.
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