



Name	Prof. Jens-Peter Redlich, PhD.
Position	Chair of Systems Architecture Group
Assigned	Department of Computer Science, Humboldt-Universität zu Berlin
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Apprenticeship	Ph.D. in Computer Science (Dr. rer. nat.) (Mat-Nat. faculty II, Humboldt Universität Berlin)
Brief Curriculum Vitae	
2004 - today	<ul style="list-style-type: none"> • Professor for Systems Architecture (Full/C4), Department of Computer Science, Humboldt Universität zu Berlin • Senior Research Advisor, NEC Europe, Network Laboratories, Heidelberg
2000-2004	<ul style="list-style-type: none"> • Department Head „Mobile Internet“, NEC Laboratories America, Princeton, USA
1997-2000	<ul style="list-style-type: none"> • Research Staff Member, NEC C&C Research Labs, Princeton, USA

Jens-Peter Redlich is Professor for Systems Architecture (C4), Computer Science Department, Humboldt University Berlin, July 2004.

Professional experience:

- Department Head, Mobile Internet, NEC Laboratories America, Princeton, U.S.A., 2000.
- Research Staff Member, NEC C&C Research Labs, Princeton U.S.A., 1998.
- Visiting Scientist, NEC C&C Research Labs, Princeton, U.S.A., 1997.
- Assistant Professor (wissenschaftlicher Mitarbeiter), Computer Science, Humboldt University Berlin, 1996.
- Ph.D. in Computer Science (Dr. rer. nat.), Humboldt University Berlin, 1995.
- Graduate Exchange Student, City College New York (138th street), New York, 1992.
- Master of Science, Humboldt University Berlin, 1992.

He is the author of the first German book on CORBA and technical program committee (TPC) member at numerous prestige conferences: ICC 2005 and 2006, Mobicom 2005, WCNC 2004, AMS 2003, OpenArch 2002.

The group of **Prof. Redlich** does research in the areas of self-organizing wireless networks, specifically 802.11-based multi-hop mesh networks, and security engineering of computer/communication systems. His group initiated the Berlin Roof Net project, which is run by volunteer students of the Computer Science Department (<http://www.informatik.hu-berlin.de/>) at Humboldt University Berlin. The goal is to construct a network of nodes (access points) which share Internet access over wireless radio connections. The access points are run independently by the students with their own equipment.

Reviewed Publications

Jens Peter Redlich, Mathias Kurth, Anatolij Zubow. Multi-Channel Link-level Measurements in 802.11 Mesh Networks. IWCMC 2006 International Conference on Wireless Ad Hoc and Sensor Networks, Vancouver, Canada July 3-6, 2006.

W. Endlicher, G. Jendritzky, J. Fischer, J.-P. Redlich. Heat Waves, Urban Climate and Human Health. In: Kraas, F., Th. Krafft & Wang Wuyi (Eds.): Global Change, Urbanisation and Health. Beijing, Chinese Meteorological Press (submitted).

R.D. Gitlin, J.-P. Redlich, E. Shim: Secure Candidate Access Router Discovery. In: Proc. of the Wireless Communications and Networking Conference [WCNC], pp. 1819 – 1824, March 2003.

S. Ali, W. Müller, J.- P. Redlich, N. Simonovski, B. Weinstein: The Wired/Wireless, Instant Access, Data, and Media Trial at IEEE NOMS 2000. In: IEEE Communications Magazine 38 (12), pp. 150-154, December 2000.

J.-P. Redlich, M. Suzuki, S.B. Weinstein: Creating IP Services for Organizations Implementing Customized Services at the Network Edge. In: International Conference on Applications of the Internet in Business and Education, Minsk, Belarus, June 2000.

S. Ali, J.- P. Redlich, N. Simonovski, S. B. Weinstein: A Field Trial of Transparent Wired/Wireless Access Using GuestIP, and of Conference-Oriented Media Services. NEC-Internal REPORT, Report No: 2000-C032, January 2001.

US-Patent: IP network access for portable devices. U.S. Patent Number 6,591,306. Provisional Filing: April 1st, 1999, Non-Provisional Filing: July 21st, 1999, Issue Date: July 8th, 2003.

US-Patent Application: Multi-ISP Controlled Access to IP Networks, Based on Third-Party Operated Untrusted Access Stations. U.S. Patent Office. Provisional Filing, 2000. Non-Provisional Filing: 01/29/2002, Application No.: 20020138635 (old: 10/057,914).

US-Patent Application: Secure candidate access router discovery method and system. U.S. Patent Office. Provisional Filing, 2004. Application No.: 20040166857

US Patent Application: Distributed Virtual Network Access System and Method. U.S. Patent Office. Provisional Filing, 2003, Application No.: 20050114490