# Prof. Clemens Cap

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## Biography

Clemens H. Cap was born in Innsbruck, Austria. He studied mathematics, computer science and physics at the University of Innsbruck, where he obtained his Masters and his PhD with honors. He was senior research assistant in Innsbruck and Zurich and obtained the venia legendi (habilitation) in computer science at the University of Zurich. From 1992 to 1997 he was assistant professor for Formal Methods in Computer Science at the University of Zurich. In 1994 he was substitute during the temporary vacancy of an associate professorship at the University of Mannheim. Since 1997 he is full professor (with tenure) at the University of Rostock and Heinz Nixdorf Chair for Information and Communication Services.

## Research Interests

Clemens Cap leads the group for Information and Communication services at the University of Rostock.

His research interests encompass system architecture for distributed and ubiquitous applications, Internet applications and services, system security and applications of formal specification techniques. He has conducted a number of research projects with national, international and industrial funding, and participated in the European Fifth Framework Program. A detailed list of research projects can be found at:
*wwwtec.informatik.uni-rostock.de/IuK*.

His teaching activities cover introductory courses on computer systems and networks as well as advanced courses in communication, security, distributed systems and the Internet.

He is a consultant of the technology transfer startup Unagon (*www.unagon.com/*) and member of the board of SOHnix AG (*www.sohnix.de/*).

## Recent Publications

C. H. Cap, N. Maibaum und L. Heyden, *Extending the Data Storage Capabilities of a Java-based Smartcard*, Proceedings of the 6th IEEE Symposium on Computers and Communications ISCC 2001, IEEE Communications Society, Hammamet, July 2001.

I. Sedov, M. Haase, C. H. Cap, D. Timmermann, *Hardware Security Concept for Spontaneous Network Integration of Mobile Devices*, Proceedings of the Workshop on Innovative Internet Computing, 21.- 22. Juni 2001, Ilmenau, Springer LNCS 2060.

A. Müller, P. Forbrig und C. H. Cap, *Model-Based User Interface Design Using Markup Concepts*, Proceedings of the DSVIS2001 (Design, Specification and Verification of Interactive Systems), Glasgow, June 2001.

F. Siegemund, C. H. Cap und A. Heuer, *Einsatz von mobilen Agenten und XML zur Angebotsrecherche im Business-to-Consumer Commerce*, Zeitschrift Wirtschaftsinformatik, Nr. 2 / 2001, Themenheft *Agententechnologien.*