Dr. Fritz Hohl

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Biography

Fritz Hohl received his diploma degree in Computer Science in 1995. From 1995 to 2000 he worked as a research assistant at the Institute of Parallel and Distributed High-Performance Systems at the University of Stuttgart, Germany. In this time he focused on mobile agent security on which he made his Ph.D. in 2001. Later on, he initiated the Nexus project, which focuses on a platform for location-aware applications. Having joined Sony's Advanced Technology Center Stuttgart in 2000, he currently works in the EU IST project YOUNGSTER where he concentrates on context-support for mobile services. He is the author and co-author of 15 research publications in the area of distributed systems, mobile agents, location-aware and context-aware systems.

Research Interests

Fritz Hohl's current research interests lie in the area of context services and of open platforms in general that integrate the real with the digital world.

Youngster

The aim of the European Union funded project "Youngster" is twofold. First, an innovative, open active Mobile Service Platform (MSP) will be developed that offers:

- accessibility from anywhere by a wide range of devices and networks

- personalized and highly adaptive delivery of services

- support of community functions

- support of context-aware features (including location-awareness)

Second, a new generation of enhanced mobile services will be developed using the Mobile Service Platform. As the aimed target group consists of young people, the implemented services will be specifically tailored to the need of youngsters. As it can be anticipated that the current business models will not be ideal for the target group, new business models will be examined as young people cannot afford premium services. To verify the services and the platform a field test will be conducted in Norway. The results of the trials will be evaluated and success will be assessed in terms of the response of the young people who participate and the use that they make of the services. The Youngster consortium consists of the Heriot-Watt-University (United Kingdom), NRK (Norway), Siemens (Germany), Sony (Germany), Steria (France), Telenor (Norway), and T-Systems (Germany). More information can be found under *www.ist-youngster.org*.

Some Relevant Publications

Fritz Hohl. *Sicherheit in Mobile-Agenten-Systemen*. Ph.D Thesis, April 2001, Institute for Parallel and Distributed High-Performance Systems, University of Stuttgart. *elib.uni-stuttgart.de/opus/volltexte/2001/893/*

Mandato, D.; Kovacs, E.; Hohl, F.; Amir-Alikhani, H. *CAMP: a context-aware mobile portal.* In: Proceedings of the Workshop on Service Portability and Virtual Customer Environments 2000, 2001, pp. 52 -61.

Baumann, Joachim; Hohl, Fritz; Rothermel, Kurt; Schwehm, Markus; Straßer, Markus; Theilmann, Wolfgang: *The Future of Mole.* In: in "Mobility, Mobile Agents and Process Migration - An Edited Collection", Springer Verlag, to appear.

F. Hohl, U. Kubach, A. Leonhardi, K. Rothermel, M. Schwehm (1999): *Next Century Challenges: Nexus - An Open Global Infrastructure for Spatial-Aware Applications,* Proceedings of the Fifth Annual ACM/IEEE International Conference on Mobile Computing and Networking (MobiCom'99), Seattle, Washington, USA, August 15-20, 1999, T. Imielinski, M. Steenstrup, (Eds.), ACM Press, 1999, pp. 249-255.