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1 Executive summary

This document provides lists of the different relevant dissemination activities of the project and the project partners.

The major activity has been submitting and presenting papers to conferences, symposia and workshops as can be seen in the lists.



2 Introduction

The Ambient Networks project has developed an innovative, industrially exploitable new network vision based on the dynamic composition of networks to avoid adding to the growing patchwork of extensions to existing architectures. This provides access to any network, including mobile personal networks, through instant establishment of inter-network agreements.

The project adopted the design paradigm of horizontally structured mobile systems that offer common control functions to a wide range of different applications and air interface technologies. Such a radical change requires the definition of new interfaces and a multitude of standards in key areas of future media- and context-aware, multi-domain mobile networks.

The strategic project goals valid over the full scope of all project phases are:

- to define an affordable and scalable mobile communication network, that opens up new ways to communicate, for billions of people and devices,
- to facilitate "ambient networking", allowing increased competition and cooperation, enabling efficient use of resources in an environment populated by a multitude of devices, technologies and business actors,
- to achieve a broad industry consensus on ambient networking, creating new business opportunities for mobile network service provisioning, and
- to develop a solution that provides easy to use, rich and trustworthy multimedia communication services for all.

The work is geared towards increasing competition and cooperation in an environment populated by a multitude of user devices, wireless technologies, network operators and business actors.

2.1 Scope of Final Deliverables

We have organised the project in three phases that reflect changing priorities. Phase 1 is ending in 2005 and Phase 2 starts directly after in 2006. Following a natural pattern, we defined these phases as: the exploration of new concepts and approaches and establishment of their feasibility, the development of these concepts into the actual communication technologies, and the synthesis of entire systems out of the individual technologies.

The different types of work encompass many different aspects of technology. The set of final deliverables for Phase 1 produced at the end of 2005, form together the output of the first phase of the project:

D-1-5	AN Framework Architecture
D-1-6	AN Case Studies Report
D-2-4	Multi-Radio Access Architecture - Final report
D-3-3	Connecting Ambient Networks – Final Architecture, Protocol Design and Evaluation
D-4-3	Ambient Network Mobility Framework & Mechanisms
D-5-3	SMART – Final Architectural Design
D-5-4	SMART – Final proof of concept and Demo



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D-6-3	Second paper on context aware networks (results + further work)
D-7-2	Ambient Network Security Architecture
D-7-3	Security and Trust Cross-Issue
D-8-3	Ambient Network Management - Proof of concepts and evaluations

Table 1: Overview of final deliverables

2.2 Document Structure

The intention with this document is to provide a selected list of relevant dissemination activities during the project.

As can be seen the major activity is submitting and presenting papers to conferences, symposia and workshops



3 Public Deliverables

Following is a list of the contractual deliverables of the project. They are all available at the public project website and the content have also been the basis for many publications and presentations.

No.	Deliverable title	Dissemination	Delivery
D0-1	Gender Action Implementation Plan	PU	3
D1-1	AN Project Overview and Dissemination Plan	PU	6
D2-1	MRA Architecture Concepts	PP	6
D3-1	Connecting Ambient Networks – Requirements and Concepts	PU	6
D4-1	Ambient Network Mobility Scenarios & Requirements	PU	6
D1-2	AN Scenarios, Requirements & Draft Concepts	PU	9
D0-2	Executive Summary of First Year Annual Report	PU	12
D1-3	AN Migration Strategies	PU	12
D2-2	Draft MRA Architecture	PU	12
D5-1	SMART – Draft Architecture and Multimedia Routing Decision Logic	PU	12
D6-1	First paper on context aware networks (positioning + innovation)	PU	12
D7-1	Ambient Network Intermediate Security Architecture	PU	12
D8-1	Ambient Network Management – Technologies & Strategies	PU	12
D3-2	Connecting Ambient Networks – Architecture and Protocol Design	PU	15
D1-4	AN Concept	PU	18
D5-2	SMART – Proof of Concept and Demo	PU	18
D8-2	Ambient Network Management – Solution Design & Functions	PU	18
D0-3	Second Year Annual Review Report	PU	24
D1-5	AN Framework Architecture	PU	24
D1-6	AN Case Studies Report	PU	24
D1-7	AN Dissemination Report	PU	24
D2-4	Multi-Radio Access Architecture - Final report	PU	24
D3-3	Connecting Ambient Networks – Final Architecture, Protocol Design and Evaluation	PU	24
D4-3	Ambient Network Mobility Framework & Mechanisms	PU	24
D5-3	SMART – Final Architectural Design	PU	24
D5-4	SMART – Final proof of concept and Demo	PU	24
D6-3	Second paper on context aware networks (results + further work)	PU	24
D7-2	Ambient Network Security Architecture	PU	24
D7-3	Security and Trust Cross-Issue	PU	24
D8-3	Ambient Network Management – Proof of concepts and evaluations	PU	24

The following documents are delivered in addition to the contract.

D1-8 was added by the project to give a better overview after the first Year.

D1-9 was requested at the first Year project review.

D1-8	Ambient Networking: Concepts and Architecture	PU	12
D1-9	Ambient Networks QoS Requirement Analysis	PU	18



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Three deliverables were first meant to be used only within the project and within the WWI. To facilitate writing of publications based on the findings presented in the deliverables they were made public in the sense that findings could be used in other contexts but the deliverables themselves were not published on the website.

D2-3	Non-conventional Concepts	PP	6
D4-2	Ambient Network Mobility Architecture & Concepts	PP/RE	15
D6-2	Proof of concept demo on role and opportunities for context management in Ambient Networks	PP	18



4 Publications

Publications 2004

The following list includes the publications reported in the Periodic Activity Report for 2004

Planned/ Actual Dates	Title	Conference	Partner Involved	Authors
February 26 -27 2004	Ambient Networks a Concept for Network Co-operation	WWRF8bis		
February 26 -27 2004	The Wireless World Initiative	WWRF8bis		
March 2004	Network Composition and Connectivity	IPS 2004, Budapest		
March 10, 2004	WWI Ambient Networks Security Overview	B3G Security Cluster		
April 2004	Ambient Networks - An Architecture for Communication Networks Beyond 3G	IEEE Wireless Communication Magazine, Vol.11, No.2		
April 19-23, 2004	Self-Configuration of IPv6 Routers	IEEE/IFIP Network Operations and Management Symposium, NOMS'04, Seoul, Korea		
April 19-23, 2004	Panel on Self- Management for Ubiquitous Environments	IEEE/IFIP Network Operations and Management Symposium, NOMS'04, Seoul, Korea		
May 2004	Non-conventional & Low Cost Wireless Access Concepts in WWI Ambient Networks	Adhoc 04		
May 2004	Ambient Networks and the Concept of Composition	4G Forum		
June 2004	Ambient Networks – Research for Communication Networks Beyond 3G	IST Mobile Summit 2004		
June 2004	Future Wireless Communication based on Multi-Radio Access	WWRF11		
June 2004	Experiences from using scenarios to derive requirements for the Ambient Networks project	WWRF11		



Planned/ Actual Dates	Title	Conference	Partner Involved	Authors
June 2004	Scenarios for Network Composition in Ambient Networks: a new paradigm for Internetworking	WWRF#11		
June 2004	Network Composition	SB3G SA Cluster Meeting		
June 2-3, 2004	WWI Ambient Networks - a overview	2nd Annual Workshop on Affordable Wireless Services & Infrastructure		
June 10-11, 2004	Context Aware Communications in Ambient Networks	WWRF#11, Oslo, Norway		
August 30, 2004	Invariants - A New Design Methodology for Network Architectures	ACM SIGCOMM Workshop on Future Directions in Network Architecture (FDNA), Portland, Oregon, USA		
August 2004	Research Challenges in Mobility and Moving Networks: An Ambient networks View	IFIP WWC workshop on challenges of mobility Toulouse, France		
September 23, 2004	A WWI perspective	B3G Security Cluster Security in Mobile and Wireless Heterogeneous Networks:		
October 6, 2004	WWI White Paper on Trust			
October 18-19, 2004	TurfNet: An Architecture for Dynamically Composable Networks	1st IFIP IFIP TC6 WG6.6 International Workshop on Autonomic Communication, Berlin, Germany		
October 2004	An architecture for extending 3rd generation mobile networks	5th International Conference on 3G Mobile Communication Technology Ambient Internetworking:		
October 2004	Network Composition: A Step towards Pervasive Computing	3G 2004 Conference		
October 2004	A Framework for Self-organized Network Composition	International Workshop on Autonomic Communication, Berlin		
October 3-5, 2004	Invited Talk on "SSON Setup using Pattern-based Management"	Dagstuhl Seminar, Germany		
October 20-22, 2004	Contextware Research Challenges in Ambient Networks	MATA 04 Proceedings, Florianopolis, Brazil		



Planned/ Actual Dates	Title	Conference	Partner Involved	Authors
October 20-22, 2004	System Management Research Challenges in Ambient Networks: A Synthesis Study	MATA 04 Proceedings, Florianopolis, Brazil		
November 2, 2004	Role of authorization in wireless network security	DIMACS Workshop on Mobile and Wireless Security		
November 2, 2004	Secure and Efficient Network Access	DIMACS Workshop on Mobile and Wireless Security		
November 4-5, 2004	Components and Concepts of the Ambient Networks Architecture	WWRF12 Meeting, Toronto, Canada		
November 4-5, 2004	Ambient Networks – A New Concept for Mobile Networking	WWRF12 Meeting, Toronto, Canada		
November 4-5, 2004	Issues of advanced mobility management in Ambient Networks	WWRF12 Meeting, Toronto, Canada		
November 4-5, 2004	Smart Multimedia Routing and Adaptation using Service Specific Overlay Networks in the Ambient Networks Framework	WWRF12 Meeting, Toronto, Canada		
November 4-5, 2004	Context management architecture for Ambient Networks	WWRF12 Meeting, Toronto, Canada		
November 4-5, 2004	Security of Context Transfer in Future Wireless Communications	WWRF12 Meeting, Toronto, Canada		
November 4-5, 2004	A Security and Trust Framework for a Wireless World: A Cross Issue Approach	WWRF12 Meeting, Toronto, Canada		
November 4-5, 2004	Management Architectures and Approaches for Ambient Networks	WWRF12 Meeting, Toronto, Canada		
November 6, 2004	HIP Resolution and Rendezvous Mechanisms	Workshop on HIP and Related Architectures, Washington, DC, USA		
November 6, 2004	Secure and Efficient Network Access	Workshop on HIP and Related Architectures, Washington, DC, USA		
November 6, 2004	USA Network Attachment and Address configuration using HIP	Workshop on HIP and Related Architectures, Washington, DC,		



Planned/ Actual Dates	Title	Conference	Partner Involved	Authors
November 6, 2004	USA Advanced HIP- based Firewall Traversal	Workshop on HIP and Related Architectures, Washington, DC,		
November 23, 2004	Prospects of an "always best connected" access network	Workshop on Research & Technology Development and Spectrum Policy, Brussels		
November 23-24, 2004	Host Identity Indirection Infrastructure (Hi3)	Swedish National Computer Networking Workshop (SNCNW) 2004		
November 23-24, 2004	Traffic Engineering in Ambient Networks: Challenges and Approaches	Swedish National Computer Networking Workshop (SNCNW) 2004		
November 2004	Triggering and Handover Management Concepts for Mobility Management in B3G Networks	SB3G Cluster Report		
December 2004	Network Composition	SB3G SA Cluster		
December 2004	Ambient Networks – A New Concept for Mobile Networking	SB3G SA Cluster		
December 2004	Security for future mobile communications environments - Ambient Networks	SB3G SA Cluster		
June 10-11, 2004	Future Wireless Communication based on Multi-Radio Access	WWRF #11, Wireless World Research Forum Meeting 11, Oslo, Norway	EDD, UC, Telia, LUC UK, ASEL, SMC	J. Sachs, L. Muñoz, R. Aguero, J. Choque, G. Koudouridis, R. Karimi, L. Jorguseski, J. Gebert, F. Meago, F. Berggren
October 18- 20, 2004	Ambient Internetworking: An Architecture for Extending 3rd Generation Mobile Networks	3G 2004, The Fifth IEE International Conference on 3G and Beyond, London, UK	BT, SM	P. Eardley, R. Hancock, E. Hepworth
October 18- 19, 2004	TurfNet: An Architecture for Dynamically Composable Networks	WAC 2004, 1st IFIP TC6 WG6.6 Workshop on Autonomic Communication, Berlin, Germany,	NEC	S. Schmid, L. Eggert, M. Brunner, J. Quittek
November 6, 2004	Middlebox Traversal of HIP Communication	Workshop on HIP and Related Architectures, Washington, DC, USA	NEC	M. Stiemerling, J. Quittek and L. Eggert



Publications 2005

Planned/ Actual Dates	Title	Conference / Workshop / Symposium	Partner Involved	Authors
March 09, 2005	AN Mobility & Moving Networks - Technical Results after Project Year 1	5th B3G-SA Cluster Meeting, Brussels,	SM	J. Eisl
March 17- 18, 2005	Towards Autonomous Network Domains	8th IEEE Global Internet Symposium, Miami, FL, USA	NEC	S. Schmid, L. Eggert, M. Brunner, J. Quittek
March 17- 18, 2006	Utility Fair Congestion Control for Real-Time Traffic	8th IEEE Global Internet Symposium, Miami, FL, USA	TUB	T. Harks, T. Poschwatta.
April 01, 2005	Introduction to Ambient Networks	NETS 1a seminar,	LMF	T. Rinta-aho
April 03, 2005	Measurement-Based Wireless LAN Troubleshooting	WiNMee 2005, First Workshop on Wireless Network Measurements, Riva del Garda, Trentino, Italy	NEC	S. Felis, J. Quittek, L. Eggert
April 17- 21, 2005	Failover for Mobile Routers: A Vision of Resilient Ambience	ICN'05, 4th International Conference on Networking Reunion Island	NICTA, DC,	E. Perera, A. Seneviratne, R. Boreli, M. Eyrich, M. Wolf and T. Leinmüller
April 25- 27, 2005	A Novel Peer-to-Peer Ambient Management Overlay	Eurescom Summit 2005, Heidelberg, Germany	BUTE	R. Szabo et al
April 25- 27, 2005	SMART: Intelligent Multimedia Routing and Adaptation based on Service Specific Overlay Networks	Eurescom Summit 2005, Heidelberg, Germany	NEC, EDD	S. Schmid, F. Hartung, M. Kampmann, S. Herborn
May 03 - 06, 2005	A Service Oriented Architecture for Multi-domain Mobility	ICT 2005 - 12th International Conference on Telecommunications, Cape Town, South Africa	T-nor, LMF	I. Grønbaek, T. Rinta-aho, T. Jokikyyny
May 14, 2005	Self-Management of Wireless Base Stations	MICMC 2005, International Workshop on Management Issues and Challenges in Mobile Computing, Nice, France	NEC	K. Zimmermann, L. Eggert, M Brunner
May 15-19, 2005	Plug and Play Configuration for Composable Networks	IM 2005, 9th IFIP/IEEE International Symposium on Integrated Network Management, Nice, France	NEC	M. Brunner, S. Schuetz, J. Jose Silva Tobella, M. Stiemerling



Planned/ Actual Dates	Title	Conference / Workshop / Symposium	Partner Involved	Authors
May 15-19, 2005	Real-Time Views of Network Traffic Using Decentralized Management	M 2005, 9th IFIP/IEEE International Symposium on Integrated Network Management, Nice, France	KTH	K. S. Lim, R Stadler
May 15-19, 2005	Scalable Fault Management for Mobile Networks beyond 3G	M 2005, 9th IFIP/IEEE International Symposium on Integrated Network Management, Nice, France	NEC	G. Nunzi, J. Quittek, M. Brunner
May 30 - June 1, 2005	A Concept for Public Access to Privately Operated Cooperating Local Access Points	VTC 2005 Spring, IEEE 61st Semi-annual Vehicular Technology Conference, Stockholm, Sweden	KTH	M. Berg, J. Markendahl
May 30 - June 1, 2005	Ambient Networks: a Framework for Future Wireless Internetworking	VTC 2005 Spring, IEEE 61st Semi-annual Vehicular Technology Conference, Stockholm, Sweden	EDD, EAB, NEC, SM, VOD, DoCoMo	N. Niebert, M. Prytz, A. Schieder, L. Eggert, F. Pittmann, N. Papadoglou, C. Prehofer
May 30 - June 1, 2005	Making Migration Easy: a key requirement for systems beyond 3G	VTC 2005 Spring, IEEE 61st Semi-annual Vehicular Technology Conference, Stockholm, Sweden	BT, UniS, TID	P. Eardley, L. Burness, N. Akhtar, M. Angeles Callejo, J. Andres
June 06- 10, 2005	Advanced Handover Management in Ambient Networks	IWCT 2005, International Workshop on Convergent Technologies, Oulu, Finland	SMC, MOT-J, NICTA	T. Toniatti, F. Meago, A. Periccioli, S. Uno, E. Perera, R. Boreli.
June 06- 10, 2006	Migration Roadmap to Ambient Networks	IWCT 2005, International Workshop on Convergent Technologies, Oulu, Finland	BT, LUCENT, TNO, VODAFONE, TELIASONERA, TID	P. Eardley, W. Speltaker, B. Busropan, N. Papadoglou, H. Flygare, P. Karlsson, D. Moro
June 06- 10, 2005	Multicast/Broadcast Opportunities in Beyond-3G Networks	IWCT 2005, International Workshop on Convergent Technologies, Oulu, Finland	SMC, KTH, EAB,	F. Meago, A. Bria, I. Karla, P. Magnusson, R. Litjens, H. Tang
June 13- 16, 2005	On the Effectiveness of Logical Device Aggregation in Multi- radio Multi-hop Networks,	IEEE MobiWac 2005, Maui, Hawaii, USA	CFR	M. Rossi, L. Badia, P. Giacon, M. Zorzi
June 19- 23, 2005	A Dynamically Extensible Control Space for Next- Generation Networks	14th IST Mobile and Wireless Communications Summit, Dresden, Germany	SICS, NEC, EDD, EAB, DoCoMo,	B. Ahlgren, L. Eggert, N. Niebert, B. Ohlman, C. Prehofer, M. Smirnov



Planned/ Actual Dates	Title	Conference / Workshop / Symposium	Partner Involved	Authors
June 19-23, 2005	A Multi-Radio Access Architecture for Ambient Networking	14th IST Mobile and Wireless Communications Summit, Dresden, Germany,	WP 2	J. Lundsjö, R. Agüero, E. Alexandri, F. Berggren, C. Cedervall, K. Dimou, J. Gebert, R. Jennen, L. Jorgueski, R. Karimi, F. Meago, H. Tang, R. Veronesi
June 19-23, 2005	An Aggregation-Based QoS Architecture for Network Mobility	14th IST Mobile and Wireless Communications Summit, Dresden, Germany	UniS	Y. Wang, L. Fan, N. Akhtar, K. Chew, R. Tafazolli
June 19-23, 2005.	Generic Link Layer Functionality for Multi-Radio Access Networks	14th IST Mobile and Wireless Communications Summit, Dresden, Germany.	Telia, UC, FT, LUC UK, EDD	G.P. Koudouridis, R. Agüero, E. Alexandri, J. Choque, K. Dimou, H.R. Karimi, H. Lederer, J. Sachs, R. Sigle
June 19-23, 2005	Network Composition using Existing and New Technologies	14th IST Mobile and Wireless Communications Summit, Dresden, Germany	SM, UniS, Nokia	C. Kappler, N. Akhtar, R. Campos and P. Poyhonen
June 19-23, 2005	Peer-to-Peer Management in Ambient Networks	14th IST Mobile and Wireless Communications Summit, Dresden, Germany	BUTE, UCL	Simon, C., Szabó, R., Kersch, P., Kovács, B., Galis, A., Cheng, L
June 19-23, 2005	Plug and Play Configuration for Composable Networks	14th IST Mobile and Wireless Communications Summit, Dresden, Germany	NEC	S. Schuetz, et al.
June 19-23, 2005	Routing Group Formation in Ambient Networks	14th IST Mobile and Wireless Communications Summit, Dresden, Germany	SM, UC, VTT, CFR, TUB	A. Surtees, R. Agüero, J. Tenhunen, M. Rossi and D. Hollos
June 19-23, 2005	Self-Configuration for Composable Networks	14th IST Mobile and Wireless Communications Summit, Dresden, Germany	NEC	S. Schuetz, et al.
June 19-23, 2005	SMART: A Media Service Delivery Architecture for Ambient Networks	14th IST Mobile and Wireless Communications Summit, Dresden, Germany	PEL, TNO, NEC, EDD, FOKUS	J. Rey, D. Lozano, S. Herborn, K. Ahmed, S. Schmid, F. Hartung, M. Kampmann, M. Kleis

Planned/ Actual Dates	Title	Conference / Workshop / Symposium	Partner Involved	Authors
June 19-23, 2005	Towards Distributed Context Management in Ambient Networks	14th IST Mobile and Wireless Communications Summit, Dresden, Germany	FOKUS, BT	C. Reichert, M. Kleis, R. Giaffreda
June 19-23, 2005	Triggering Multi-dimensional Mobility in Ambient Networks	14th IST Mobile and Wireless Communications Summit, Dresden, Germany	VTT, LMF	V. Typpö, O. Gonsa, T. Rinta-aho, B. Tharon, and S. Bonjour
July 2005	Dagstuhl Seminar on Disruption Tolerant Networking	ACM Computer Communication Review (CCR), Vol. 35, No. 3, July 2005, pp. 69-72	NEC	M. Brunner, L. Eggert, K. Fall, J. Ott, L. Wolf
July 2005	Protocol Enhancements for Intermittently Connected Hosts	ACM Computer Communication Review (CCR) , Vol. 35, No. 3,	NEC	S. Schütz, L. Eggert, S. Schmid, M. Brunner
July 07-08, 2005	Initial findings on business roles, relations and cost savings enabled by Multi-Radio Access Architecture in Ambient Networks	WWRF #14, San Diego, California, USA	KTH, Telia, , EAB,	J. Markendahl , J. Hultell, A. Bria, P. Karlsson, C. Cedervall, O. Rietkerk, M. Prytz, I. Karla
August 2005	Adatmenedzment Ambient Control Space-ekben	Híradástechnika "Communications" (Journal in Hungarian)	BUTE	Z. Lajos Kis
August 2005	Ambient hálózatok: áttekintés	Híradástechnika "Communications" (Journal in Hungarian)	BUTE	K. Balázs, S. Csaba
August 2005	Policy keretrendszer - adatmodell és algoritmusok - dinamikus hálózatkompozíciók automatizált tárgyalási folyamatához	Híradástechnika "Communications" (Journal in Hungarian)	BUTE	E. Márk, W. Ambrus
September 05-07, 2005	Multi-user Scheduling with Multi Radio Access Selection	ISWCS 2005, 2nd International Symposium on Wireless Communication Systems, Siena, Italy	CFR	R. Veronesi
September 02-05, 2005	Facilitating Mobility Management in Ambient Networks Following a Modular Approach	DIN 2005, First International ACM Workshop on Dynamic Interconnection of Networks, In conjunction with ACM MobiCom 2005, Cologne, Germany,	Sm, EAB, MOT-J, UC,	J. Eisl, J. Höller, S. Uno, R. Agüero Calvo



Planned/ Actual Dates	Title	Conference / Workshop / Symposium	Partner Involved	Authors
September 02-05, 2005	Names, Addresses and Identities in Ambient Networks	DIN 2005, First International ACM Workshop on Dynamic Interconnection of Networks, In conjunction with ACM MobiCom 2005, Cologne, Germany	SICS, NEC, EAB, Nokia, EDD	B. Ahlgren, L. Eggert, B. Ohlman, J. Rajahalme, A. Schieder
September 02-05, 2005	Scalability Analysis of the TurfNet Naming and Routing Architecture	DIN 2005, First International ACM Workshop on Dynamic Interconnection of Networks, In conjunction with ACM MobiCom 2005, Cologne, Germany	NEC	J. Pujol, S. Schmid, L. Eggert, M. Brunner, J. Quittek
September 02-05, 2005	Self Organizing Ambient Control Space - An Ambient Network Architecture for Dynamic Network Interconnection	DIN 2005, First International ACM Workshop on Dynamic Interconnection of Networks, In conjunction with ACM MobiCom 2005, Cologne, Germany	BUTE	M. Erdei, P. Kersch, Z. Lajos Kis, B. Kovacs, R. Szabo
September 11-14, 2005	Ambient Networks: Bridging Heterogeneous Network Domains	PIMRC 2005, The 16th Annual IEEE International Symposium on Personal Indoor and Mobile Radio Communications, Berlin, Germany	SICS, NEC, EAB, EDD	B. Ahlgren, L. Eggert, B. Ohlman, A. Schieder
September 11-14, 2005	Dynamic and Automatic Interworking between Personal Area Networks Using Composition	PIMRC 2005, The 16th Annual IEEE International Symposium on Personal Indoor and Mobile Radio Communications, Berlin, Germany, September 11-14, 2005.	Nokia, SM	R. Campos, C. Pinho, M. Ricardo, J. Ruela, P. Pöyhönen, C. Kappler
September 11-14, 2005	GSA: An Architecture for Optimising Gateway Selection in Dynamic Routing Groups	PIMRC 2005, The 16th Annual IEEE International Symposium on Personal Indoor and Mobile Radio Communications, Berlin, Germany	NICTA, DC	M. Eyrich, M. Majanen, E. Perera, R. Toenjes, R. Boreli, T. Leinmueller



Planned/ Actual Dates	Title	Conference / Workshop / Symposium	Partner Involved	Authors
September 11-14, 2005	Information Model for the Specification of QoS Agreements among Ambient Networks	PIMRC 2005, The 16th Annual IEEE International Symposium on Personal Indoor and Mobile Radio Communications, Berlin, Germany	TID	P. Mendes, J. Andres-Colas, and C. Pinho
September 11-14, 2005	Media Aware Overlay Routing in Ambient Networks.	PIMRC 2005, The 16th Annual IEEE International Symposium on Personal Indoor and Mobile Radio Communications, Berlin, Germany	PEL, TNO, NEC, AU, EDD,	J. Rey, B. Mathieu, D. Lozano, S. Herborn, K. Ahmed, S. Schmid, S. Goebbels, F. Hartung, M. Kampmann
September 11-14, 2005	Multi-Radio Resource Management for Ambient Networks	PIMRC 2005, The 16th Annual IEEE International Symposium on Personal Indoor and Mobile Radio Communications, Berlin, Germany	KTH, CFR, TNO, EAB, SMC,	F.Berggren, A.Bria, L.Badia, I.Karla, R.Litjens, P.Magnusson, F.Meago, H.Tang, R.Veronesi
September 11-14, 2005	Online Packet Loss Rate Estimation	PIMRC 2005, The 16th Annual IEEE International Symposium on Personal Indoor and Mobile Radio Communications, Berlin, Germany	UniS, BT	D. He, N. Akhtar, P. Eardley and L. Burness
September 11-14, 2005	Stability-based Multi- Hop Clustering Protocol	PIMRC 2005, The 16th Annual IEEE International Symposium on Personal Indoor and Mobile Radio Communications, Berlin, Germany	VTT	Tenhunen J, Typpö V, Juvansuu M.
September 15-17, 2005	Experimental Study of Novel Ambient Network Concepts	IEEE Softcom 2005, International Conference on Software, Telecommunications and Computer Networks, Split, Croatia	EDD, NEC, UC	M. Kampmann, M. Vorwerk, I. Grothues, M. del Mar Ivars de Leon, M. Kleis, S. Schuetz, S. Schmid, R. Agüero, J. Choque
September 17-22, 2005	Advanced Network Handover Mechanism in Ambient Networks	WPMC 2005, International Symposium on Wireless Personal Multimedia Communications, Aalborg, Denmark	SMC, MOT-J, NICTA	Toniatti, T., Meago, F, Periccioli, A., Uno, S, Perera, E., Boreli, R



Planned/ Actual Dates	Title	Conference / Workshop / Symposium	Partner Involved	Authors
September 17-22, 2005	An Improved Associativity Degree Based Cluster Formation Algorithm Modulated by Link Quality	WPMC 2005, International Symposium on Wireless Personal Multimedia Communications, Aalborg, Denmark	UC,	R. Agüero, J. A. Galache, J. Choque, L. Muñoz
September 17-22, 2005	Multi-radio Resource Allocation Strategies for Heterogeneous Wireless Networks	WPMC 2005, International Symposium on Wireless Personal Multimedia Communications, Aalborg, Denmark	CFR	L. Badia, C. Taddia, G. Mazzini, M. Zorzi,
September 17-22, 2005	On the Spectral Efficiency Gains of Switched Multi-radio Transmission Diversity	WPMC 2005, International Symposium on Wireless Personal Multimedia Communications, Aalborg, Denmark	LUC UK, Telia	H.R.Karimi, G.P.Koudouridis, K.Dimou
September 17-22, 2005	Performance Evaluation of Radio Access Selection Procedures in Multi- Radio Access Systems	WPMC 2005, International Symposium on Wireless Personal Multimedia Communications, Aalborg, Denmark	TNO	L. Jorguseski, R. Litjens
September 17-22, 2005	RRM Challenges for Non-Conventional and Low-Cost Networks in Ambient Networks	WPMC 2005, International Symposium on Wireless Personal Multimedia Communications, Aalborg, Denmark	UC, KTH, AU, EAB, Nokia	R. Agüero, M. Berg, J. Choque, J. Hultell, R. Jennen, J. Markendahl, L. Muñoz, M. Prytz, O. Strandberg
September 20-23, 2005	Study of mobility control functions in Ambient Networks	2005 IEICE Society Conference, Hokkaido, Japan,	MOT-J, SM, VTT, UC	Shintaro Uno , Jochen Eisl, Ville Typpo, Ramón Agüero Calvo
September 25-28, 2005	A Novel Group Mobility Model for the Simulation of Wireless Communication Networks	VTC Fall 2005, IEEE 62nd Semi-annual Vehicular Technology Conference, Dallas, Texas, USA	CFR	M. Rossi, L. Badia, M. Zorzi
September 25-28, 2005	Generic Link Layer: A Solution for Multi- Radio Transmission Diversity in Communication Networks Beyond 3G	VTC fall 2005, IEEE Vehicular Technology Conference Fall, Dallas, Texas, USA	Telia, UC, LUC UK, EDD	K. Dimou, R. Agüero, M. Bortnik, R. Karimi, G. Koudouridis, S. Kaminski, H. Lederer, J. Sachs
September 25-28, 2005	Multi-Radio Resource Management for Communication Networks beyond 3G	VTC fall 2005, IEEE Vehicular Technology Conference Fall, Dallas, Texas, USA	EAB, TNO, SMC	P.Magnusson, F.Berggren, I.Karla, R.Litjens, F.Meago, H.Tang, R.Veronesi



Planned/ Actual Dates	Title	Conference / Workshop / Symposium	Partner Involved	Authors
September 25-28, 2005	On Group Mobility Patterns and their Exploitation to Logically Aggregate Terminals in Wireless Networks.	VTC fall 2005, IEEE Vehicular Technology Conference Fall, Dallas, Texas, USA	CFR	M. Rossi, N. Bui, L. Badia, M. Zorzi
September 25-28, 2005	Switched Multi-Radio Transmission Diversity in Future Access Networks,	VTC fall 2005, IEEE Vehicular Technology Conference Fall, Dallas, Texas, USA	Telia, LUC UK	G.P.Koudouridis, H.R.Karimi, K.Dimou
September 27-30, 2005	Self-Configuration Challenges	Asian-Pacific NOMS, Asia-Pacific Network Operations and Management Symposium, Okinawa, Japan	NEC	M. Brunner
September 27-30, 2005	Towards European Next Generation Mobile Networks	Asian-Pacific NOMS, Asia-Pacific Network Operations and Management Symposium, Okinawa, Japan	NEC	M. Brunner
October 03-05, 2005	Autonomic Wireless Network Management	WAC 2005, The 2nd IFIP TC6 International Workshop on Autonomic Communication, Vouliagmeni, Athens, Greece	NEC	K. Zimmermann, S. Felis, S. Schmid, L. Eggert, M. Brunner
October 10-12, 2005	Ambient Network Interfaces and Network Composition	Global Mobile Congress, Chongqing, China	SAGO, Nokia, UniS	D. Zhou, P. Poyhonen, N. Akhtar, C. Hinho
October 17-19, 2005	Network Self- Management in Ambient Networks for Service Composition IFIP	INTELLCOMM 2005, The 2005 IFIP Conference on Intelligence in Communication Systems, Montreal, Canada	BT, UCL, BUTE	L. Cheng, R. Ocampo, A. Galis, R. Szabo, C. Simon, P. Kersch
October 17-19, 2005	Application- Independent Session Mobility between User Terminals	IEEE MATA 2005 - Mobility Aware Technologies and Applications, - Service Delivery Platforms for Next Generation Networks, Montreal, Canada	NEC	P. Vijayakumar, S. Schmid, S. Schütz, M. Brunner



Planned/ Actual Dates	Title	Conference / Workshop / Symposium	Partner Involved	Authors
October 17-19, 2005	ContextWare Support for Network and Service Composition and Self-Adaptation	IEEE MATA 2005 - Mobility Aware Technologies and Applications, - Service Delivery Platforms for Next Generation Networks, Montreal, Canada	UCL	Ocampo, R., Cheng, L., and Galis, A.,
October 17-19, 2005	Towards Ambient Networks Management	IEEE MATA 2005 - Mobility Aware Technologies and Applications, - Service Delivery Platforms for Next Generation Networks, Montreal, Canada	NEC, UCL, BT, TID, SICS, BUTE, KTH, EAB, ETH	M. Brunner, A. Galis, L. Cheng, J. A. Colás, B. Ahlgren, A. Gunnar, H. Abrahamsson, R. Szabo, S. Csaba, J. Nielsen, A. G. Prieto, S. Schuetz, R. Stadler, G. Molnar
October 17-19, 2005	An Authorisation and Privacy Framework for Context-Aware Networks	IEEE MATA 2005 - Mobility Aware Technologies and Applications, - Service Delivery Platforms for Next Generation Networks, Montreal, Canada	BT, SM, EAB, FOKUS	R. Giaffreda, H. Tschofenig, T. Kanter, C. Reichert
October 17-19, 2005	Challenges in modelling and Disseminating Context Information in Ambient Networks	IEEE MATA 2005 - Mobility Aware Technologies and Applications, - Service Delivery Platforms for Next Generation Networks, Montreal, Canada	SITE, CIISE	D. Balakrishnan, M. El-Barachi, A. Karomouch, R. Glitho
October 24-26 2005	A Decentralized Traffic Management Approach for Ambient Networks Environments	DSOM 2005, 16th IFIP/IEEE International Workshop on Distributed Systems: Operations and Management, Barcelona, Spain	TID	María Ángeles Callejo-Rodríguez, Jorge Andrés-Colás, Gerardo García-de- Blas, Francisco Javier Ramón- Salguero, José Enríquez-Gabeiras
October 24-26 2005	Setup and Maintenance of Overlay Networks for Multimedia Services in Mobile Environments.	MMNS 2005, 8th International Conference on Management of Multimedia Networks and Services, Barcelona, Spain	NEC	E. Asmare, S. Schmid, M. Brunner



Planned/ Actual Dates	Title	Conference / Workshop / Symposium	Partner Involved	Authors
October 24-26, 2005	On the Evolution of a Naming & Addressing Architecture in View of Network Composition	CCN 2005, Communications and Computer Networks 2005, Marina del Rey, CA, USA	DoCoMo, VOD, EAB	C. Prehofer, N. Papadoglou, M. Johnsson
November 06-09, 2005	Priority Pricing in Utility Fair Networks	ICNP 2005, 13th IEEE International Conference on Network Protocols, Boston, Massachusetts, USA	TUB	T.Harks, T.Poschwatta
November 07-09, 2005	Analysis of Ability Control Functions in Ambient Networks	3G 2005, The Sixth IEE International Conference on 3G and Beyond, London, UK	UC, SM, VTT, MOT-J	R. Agüero Calvo, J. Eisl, V. Typpo, S. Uno
November 07-09, 2005	Migration-Friendly Design for Ambient Networks	3G 2005, The Sixth IEE International Conference on 3G and Beyond, London, UK	BT, TID, UniS	A. Smith, P. Eardley, L. Burness, J. Andres-Colas, N. Akhtar
November 16, 2005	Multi-Radio Access in Ambient Networks	EVEREST workshop "TRENDS IN RADIO RESOURCE MANAGEMENT (2nd Edition)", Barcelona, Spain	Telia, EAB, KTH, SMC, UC, EDD, LUC UK	G.P. Koudouridis, P. Karlsson, J. Lundsjö, A. Bria, M. Berg, L. Jorguseski, F. Meago, R. Agüero, J. Sachs, R. Karimi
December 08-09, 2005	A Multimedia Delivery Framework for Ambient Networks	WWRF#15, Wireless World Research Forum Meeting 15, Paris, France	EDD, FOKUS, NEC, UC	M. Kampmann, M. Vorwerk, M. Kleis, S. Schmid, S. Herborn, R. Agüero, and J. Choque
December 08-09, 2005	An Overlay Internetworking Architecture for Ambient Networks	WWRF#15, Wireless World Research Forum Meeting 15, Paris, France	EAB, EDD	A. Eriksson, M. Johnsson, A. Schieder, G. Selander
December 08-09, 2005	Feasibility Studies and Architecture for Multi-Radio Access in Ambient Networks	WWRF#15, Wireless World Research Forum Meeting 15, Paris, France	Telia, UC, FT, KTH, ASEL, LUC UK, EAB, SMC, EDD - WP2?	G. Koudouridis, P. Karlsson, R. Agüero, E. Alexandri, M. Berg, A. Bria, J.Gebert, L. Jorguseski, R. Karimi, I. Karla, J. Lundsjö, P. Magnusson, F. Meago, M. Prytz, J. Sachs
December 08-09, 2005	Network Composition	WWRF#15, Wireless World Research Forum Meeting 15, Paris, France	EAB	M. Johnsson et al



Planned/ Actual Dates	Title	Conference / Workshop / Symposium	Partner Involved	Authors
2005	On the Employment of Context Transfer for High-Speed Network Security in Heterogeneous Wireless Networks: Testbed Evaluation	IEEE Journal On Selected Areas in Communications in 2005	Telia, UniS	M. Georgiades, T. Dagiuklas, N. Akhtar, R. Tafazolli

Publications Accepted for 2006				
Planned/ Actual Dates	Title	Conference	Partner Involved	Authors
January 07-10, 2006	Wireless Sensor Actuator Network for light Monitoring and Control Application	NIME'06, 2nd IEEE International Workshop on Networking Issues in Multimedia Entertainment CCNC 2006, Las Vegas, Nevada, USA	TUB	S. Li
February 23-25, 2006	A P2P Approach for the Selection of Media Processing Modules for Service Specific Overlay Networks	ICIW 2006, International Conference on Internet and Web Applications and Services, Guadeloupe, French Caribbean	FT, FOKUS	B. Mathieu, M. Kleis, M. Song
April 03- 07, 2006	Generic Monitoring and Intervention on Self-Configuring Networked Devices	NOMS 2006, 10th IEEE/IFIP Network Operations and Management Symposium, Vancouver, Canada	NEC	G. Nunzi, S. Schuetz, M. Brunner
April, 23- 28, 2006	Towards Practical Network-to-Network Congestion Control	ICN'06, 5th International Conference on Networking, Mauritius		J. Riihijärvi, L. Wu, P. Mähönen



5 Standards Contributions

Following are contributions, relevant to the Ambient Networks project, by partners to standards organisations

Date	Title	Author(s)	When & Where
February 2004	Host Identity Protocol (HIP) Rendezvous Mechanisms		IETF - (IETF draft-eggert-hip-rendezvous-00.txt)
February 2004	A QoS Model for the IntServ Controlled Load Service		IETF -(IETF draft-kappler-nsis-qosmodel-controlledload-00.txt)
February 2004	NSLP for Metering Configuration Signaling		IETF -(IETF draft-dressler-nsis-metering-nslp-00.txt)
February 2004	Mobility and Internet Signaling Protocols		IETF -(IETF draft-manyfolks-signaling-protocol-mobility-00)
July 2004	Host Identity Protocol (HIP) Rendezvous Extensions		IETF - (IETF draft-eggert-hip-rvs-00.txt)
July 2004	Host Identity Indirection Infrastructure (Hi3)		IETF - (Internet Draft draft-nikander-hiprg-hi3-00)
October 2004	HIP Resolution and Rendezvous Problem Description		IETF - (IETF draft-eggert-hiprg-rr-prob-desc-00.txt)
October 2004	Host Identity Protocol (HIP) Rendezvous Extensions		IETF - (IETF draft-ietf-hip-rvs-00.txt)
October 2004	Applicability Statement of NSIS Protocols in Mobile Environments		IETF (NSIS)
October 2004	QoS-NSLP Qspec Template		IETF (NSIS) -(IETF draft-ietf-nsis-nslp-qspec-01.txt)
October 2004	RMD-QSP: An NSIS QoS Signaling Policy for Networks Using Resource Management in DiffServ (RMD)		IETF -(IETF draft-bader-nsis-rmd-diffserv-qsm-01.txt)
October 2004	NAT and Firewall Traversal for HIP		IETF(Internet Draft draft-tschofenig-hiprg-hip-natfw-traversal-00.txt)
?	Definition of seamless services		3GPP (3GPP, S1-040769)
?	Definition of AIPN		3GPP (3GPP, S1-040770)
?	Use Cases for Key Aspects		3GPP (3GPP, S1-040771)
?	Use Cases for Security		3GPP (3GPP, S1-040772)
?	Requirements for AIPN		3GPP (3GPP, S1-040847)
?	New capabilities for AIPN		3GPP (3GPP, S1-040848)
?	Editorial re-shape of section 5.4 on security and privacy considerations		3GPP (3GPP, S1-040849)
?	Evolution of IP and associated transport technology		3GPP - (3GPP, S1-040850)
?	Reuse of legacy equipment		3GPP -(3GPP, S1-040851)
July 2004	CP Extensions for Immediate Retransmissions.	Lars Eggert, Simon Schuetz and Stefan Schmid	Work in Progress (draft-eggert-tcpm-tcp-retransmit-now-00), July 12, 2004



Date	Title	Author(s)	When & Where
July 2004	TCP Abort Timeout Option	Lars Eggert	Work in Progress (draft-eggert-tcpm-tcp-abort-timeout-option-01), July 12, 2004
January 2005	S1-050074: Types of requirements	NEC	3GPP SA1 Meeting #27 (All-IP networks)
January 2005	S1-050075: Revisions on section 5	NEC	3GPP SA1 Meeting #27 (All-IP networks)
January 2005	S1-050076: Revisions on section 6	NEC	3GPP SA1 Meeting #27 (All-IP networks)
January 2005	S1-050077: QoS Requirements	NEC	3GPP SA1 Meeting #27 (All-IP networks)
January 2005	S1-050078: Subscriber and End User Identification Requirements	NEC	3GPP SA1 Meeting #27 (All-IP networks)
January 2005	S1-050079: Access system selection	NEC	3GPP SA1 Meeting #27 (All-IP networks)
January 2005	S1-050116: QoS Requirements	NEC	3GPP SA1 Meeting #27 (All-IP networks)
January 2005	S1-050118: Use Cases and Requirements for PAN, Ad-hoc Networks and Moving Networks	NEC	3GPP SA1 Meeting #27 (All-IP networks)
February 2005	Preferred Alternatives for Tunnelling HIP (PATH)	Pekka Nikander, Hannes Tschofenig, Tom Henderson, Lars Eggert and Julien Laganier.	Internet Draft draft-nikander-hip-path-00.txt, Work in Progress, February 2005.
June 2005	IP Paging Functionality for SAE	S. Schmid,	3GPP S2-051066 (early) and Contribution to 3GPP SA2 #47 Meeting, S2-051719, Montreal, CA, June 2005.
June 2005	TCP Extensions for Immediate Retransmission	Lars Eggert, Simon Schütz and Stefan Schmid	Internet Draft, versions 01-02, Work in Progress, June 2005.
July 2005	A Problem Statement for Path-Decoupled Signalling in NSIS	R. Hancock, C. Kappler, J. Quittek, M. Stiemerling	Internet draft, <draft-hancock-nsis-pds-problem-01>, July 2005.
July 2005	Middlebox Traversal Issues of Host Identity Protocol (HIP) Communication.	Martin Stiemerling, Jürgen Quittek and Lars Eggert	Internet Draft, versions 03-05, Work in Progress, July 2005.
July 2005	Problem Statement: HIP operation over Network Address Translators	M. Stiemerling, J. Quittek	Internet draft, <draft-stiemerling-hip-nat-05.txt>, July 2005.
September 2005	Host Identity Protocol (HIP) Registration Extension	Julien Laganier, Teemu Koponen and Lars Eggert	Internet Draft draft-ietf-hip-registration-00.txt, Work in Progress, September 2005
September 2005	REV-05147, "Inter-Radio Access Mobility (3GPP <-> non-3GPP) in LTE_ACTIVE"	S. Schmid	To 3GPP Joint Meeting of SA2 and RAN WGs in Tallinn, 19-20 September 2005.
September 2005	SJR-050188, "Paging Study for SAE/LTE"	S. Schmid	To 3GPP Joint Meeting of RAN2/3 and SA2 in London, 1-2 September 2005.



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Date	Title	Author(s)	When & Where
October 2005	"Network Composition"	Siemens, Ericsson, Nokia, Vodafone, NTT DoCoMo	New Study Item in 3GPP, TSG-SA WG1 #30 S1-051256, Los Angeles, USA, 24th to 28th October 2005
October 2005	Analysis of Options for Securing the Generic Internet Signaling Transport (GIST)	H. Tschofenig, P. Eronen	Internet Draft draft-tschofenig-nsis-gist-security-00.txt, Work in Progress, October 2005.
October 2005	Host Identity Protocol (HIP) Rendezvous Extensions.	Julien Laganier and Lars Eggert	Internet Draft, versions 01-04, Work in Progress, October 2005.
October 2005	Middlebox Traversal Issues of Host Identity Protocol (HIP) Communication.	Martin Stiernerling, Jürgen Quittek and Lars Eggert	Internet Draft draft-irtf-hiprgnat-00.txt, Work in Progress, October 2005
October 2005	TCP User Timeout Option.	Lars Eggert and Fernando Gont	Internet Draft, versions 00-02, Work in Progress, October 2005.
	3GPP SRJ050013 "Ambient Networks project"	TNO, Ericsson, NEC Europe, Vodafone, DoCoMo Euro-Labs	
	Applicability Statement of NSIS Protocols in Mobile Environments	S. Lee, S. Jeong, H. Tschofenig, X. Fu, J. Manner, P. Mendes (Contributor)	IETF NSIS WG ID
	Framework for Metering NSLP	A. Fessi, C. Kappler, C. Fan, A. Klenk, F. Dressler	IETF NSIS WG
	NSLP for Metering Configuration Signaling	F. Dressler, G. Carle, J. Quittek, C. Kappler, H. Tschofenig	IETF NSIS WG
	Problem Statement for Path-Decoupled Signalling in NSIS,	R. Hancock, C. Kappler, J. Quittek und M. Stiernerling	draft-hancock-nsis-pds-problem IETF NSIS WG
	QoS-NSLP QSpec Template	G. Ash, A. Bader and C.Kappler	IETF NSIS WG ID
	RMD-QOSM - The Resource Management in Diffserv QoS model	A. Bader, L. Westberg, G. Karagiannis, C. Kappler, T. Phelan	IETF NSIS WG ID
	SAE Requirements. 3GPP S2-051065	Stefan Schmid	



6 Events

Events during 2004 with contributions from the Ambient Networks project

Planned/ Actual Dates	Conference	Type of Audience	Countries Addressed	Size of Audience
February 26-27 2004	WWRF 8, the Wireless World Research Forum	Research	Global	250
March 2004	IPS 2004 Budapest	Research		
Apr 19-23, 2004	NOMS 2004 Seoul, Korea	Research	Global	
May 20-21, 2004	4G Forum London, UK	Research	Global	
June 2-3, 2004	2 nd Annual Workshop on Affordable Wireless services & Infrastructure	Research	Sweden	100
June 10-11, 2004.	WWRF 11: the Wireless World Research Forum, Oslo, Norway, J	Research	Global	250
Jun 27-30, 2004	IST Mobile Summit 04 Lyon, France	Research	Europe	300
August 30 2004	ACM SIGCOMM, Workshop on Future Directions in Network Architecture, FDNA Portland Oregon, USA	Research	Global	
August 2004	IFIP WWC Workshop on challenges in Mobility and moving networks Toulouse, France	Research	Global	
October 18- 19, 2004	1 st IFIP TC6 WG6.6 Workshop on Autonomic Communication (WAC 2004), Berlin, Germany,	Research	Global	200
October 18- 20, 2004	3G 2004, The Fifth IEE International Conference on 3G and Beyond, London, UK,	Research	Global	200
Nov 04-05, 2004	WWRF #12, the Wireless World Research Forum Toronto, Canada	Research	Global	250
November 6, 2004	Workshop on HIP and Related Architectures, Washington, DC, USA,	Research	Global	
Nov 07-12, 2004	61 st IETF Washington DC, USA	Standards	Global	
Dec 10-11, 2004	1 st WWI Symposium Brussels, Belgium	Research	Global	250

Events during 2005 with contributions from the Ambient Networks project

Planned/ Actual Dates	Conference	Type of Audience	Countries Addressed	Size of Audience
March 09, 2005	5th B3G-SA Cluster Meeting, Brussels, Belgium			
March 17- 18, 2005	8th IEEE Global Internet Symposium, Miami, FL, USA	Research	Global	<50
April 3, 2005	WinMee 2005, First Workshop on Wireless Network Measurements, Riva del Garda, Trentino, Italy,			
April 17-21, 2005	ICN'05 -4th International Conference on Networking, Reunion Island,			



Planned/ Actual Dates	Conference	Type of Audience	Countries Addressed	Size of Audience
April 25-27, 2005	Eurescom Summit 2005, Heidelberg, Germany			
April 28, 2005	Girls' Day Aachen, Germany	Schoolgirls	Germany	30
May 03 - 06, 2005	ICT 2005 - 12th International Conference on Telecommunications, Cape Town, South Africa			
May 14, 2005	MICMC 2005, International Workshop on Management Issues and Challenges in Mobile Computing, Nice, France,			
May 30 - June 1, 2005	VTC 2005 Spring, IEEE 61st Semi- annual Vehicular Technology Conference, Stockholm, Sweden,	Research	Global	>500
June 06-10, 2005	IWCT 2005, International Workshop on Convergent Technologies, Oulu Finland,	Research	Global	200
June 13-16, 2005	IEEE MobiWac 2005, Maui, Hawaii, USA,			
Jun 14-16, 2005	RVK05 Linköping, Sweden			
June 19-23, 2005	IST Mobile & Wireless Communications Summit, Dresden, Germany	Research	Europe	800
July 07-08, 2005	WWRF #14, the Wireless World Research Forum San Diego, California, USA,	Research	Global	170
September 02-05, 2005	DIN 2005, First International ACM Workshop on Dynamic Interconnection of Networks, In conjunction with ACM MobiCom 2005, Cologne, Germany,			
September 05-07, 2005	ISWCS 2005, 2nd International Symposium on Wireless Communication Systems, Siena, Italy			
September 11-14, 2005	PIMRC, The 16 th Annual IEEE International Symposium on Personal Indoor and Mobile Radio Communications, Berlin, Germany			
September 15-17, 2005	IEEE Softcom 2005, International Conference on Software, Telecommunications and Computer Networks, Split, Croatia			
September 17-22, 2005	WPMC 2005, International Symposium on Wireless Personal Multimedia Communications, Aalborg, Denmark,			
September 20-23, 2005	2005 IEICE Society Conference, Hokkaido, Japan			
September 25-28, 2005	VTC Fall 2005, IEEE 62 nd Semi- annual Vehicular Technology Conference, Dallas, Texas, USA,			



Planned/ Actual Dates	Conference	Type of Audience	Countries Addressed	Size of Audience
September 27-30, 2005	Asia-Pacific NOMS, Asia-Pacific Network Operations and Management Symposium, Okinawa, Japan			
October 03-05, 2005	WAC 2005, The 2 nd IFIP TC6 International Workshop on Autonomic Communication, Vouliagmeni, Athens, Greece,			
October 10-12, 2005	Global Mobile Congress, Chongqing, China			
October 17-19, 2005	IEEE MATA 2005 – Mobility Aware Technologies and Applications, - Service Delivery Platforms for Next Generation Networks, Montreal, Canada			
October 20-21, 2005	Mocca-WWI Workshop on Challenges of Beyond 3G Systems, Shanghai P R China	Research	China, Japan Korea	150
October 24-26 2005	DSOM 2005, 16 th IFIP/IEEE International Workshop on Distributed Systems: Operations and Management, Barcelona, Spain	Research	Global	50
October 24-26, 2005	CCN 2005. Communications and Computer Networks, Marina del Rey, CA, USA,			
November 6-9, 2005	ICNP 2005, 13 th IEEE International Conference on Network Protocols, Boston, Massachusetts, USA,	Research	Global	<50
November 07-09, 2005	3G 2005, The Sixth IEE International Conference on 3G and Beyond, London, UK,	Research	Global	200
November 16, 2005	EVEREST workshop "TRENDS IN RADIO RESOURCE MANAGEMENT (2 nd Edition)", Barcelona, Spain,			
November 21, 2005	STF Next Generation Networks , Stockholm	Research, Standards, Strategies	Sweden	100
December 06- 07, 2005	Mocca – WWI Symposium Paris, France	Research	Europe	150
December 08-09, 2005	WWRF #15, the Wireless World Research Forum Paris, France,	Research	Global	250

Coming events during 2006 with contributions from the Ambient Networks project.

Planned/ Actual Dates	Conference	Type of Audience	Countries Addressed	Size of Audience
January 07-10, 2006	NIME'06, 2nd IEEE International Workshop on Networking Issues in Multimedia Entertainment CCNC 2006, Las Vegas, Nevada, USA	Research	Global	



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February 20- 22, 2006	ICACT2006, The 8th International Conference on Advanced Communication Technology, Gangwon-Do, Republic of Korea,			
February 23-25, 2006	ICIW 2006, International Conference on Internet and Web Applications and Services, Guadeloupe, French Caribbean,			
March 01-03, 2006	IEEE Tridentcom, Barcelona, Spain,			
April 03-07, 2006	NOMS 2006, 10 th IEEE/IFIP Network Operations and Management Symposium, Vancouver, Canada			
April 23-28, 2006	ICN'06, 5 th International Conference on Networking, Mauritius			



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7 Other

7.1 Video

The project has made a video showing one of the future oriented scenarios, "The Rock Express", used for understanding requirements. The video is available on the website.

7.2 Demonstrations

The Ambient Networks project has designed a number of demonstrations to verify requirements and support the work with case studies. This is further described in the deliverable *D1-6 AN Case study report*.

The demonstrations have been shown at a number of events.

7.3 Website

The project has a website for information about the project and publication of results.

The address is: <http://www.ambient-networks.org/>