



Project ref. no.	004216
Project acronym	wearIT@work
Project full title	Empowering the mobile worker by wearable computing
Dissemination level	PU
Contractual date of delivery	31/07/2007
Actual Date of Delivery	06/08/2007
Deliverable Number	D-55, external
Deliverable Name	wearIT@work scientific publications
Type	Report
Work package(s)	WP 1
Status & version	wearIT_D55_V2.1, Final.doc
Number of pages	42
WP contributing to the deliverable	1
WP / Task responsible	ENEA
Other Contributors	
Author	Daniele Tondini
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Keywords:	Scientific publications
Abstract	This document collects all the scientific publications produced during the first 3 years of wearIT@work. All the main info are reported and the publication themselves are present as Annex. This paper is a living document and will be updated during the project runtime



Content

1	Introduction	4
2	wearIT@work scientific publications	5
2.1	1 st year scientific publication (1 st of June, 2004 – 31 st of May, 2005)	5
2.2	2 nd year scientific publication (1 st of June, 2005 – 31 st of May, 2006)	12
2.3	3 rd year scientific publication (1 st of June, 2006 – 31 st of May, 2007).....	26
2.4	4 th year scientific publication (1 st of June, 2007 – 31 st of August, 2007)	38
3	Annexes	42

1 Introduction

This document collects all the scientific publications produced during the first 3 years of wearIT@work. Then it's updated up to 31st of May, 2007.

For each publications all the main info are reported:

- Title
- Author(s);
- Date of publication;
- Event where the publication has been presented;
- Link to web site(s) where the publications is downloadable/purchased;
- Link to the Annexes of this document, with the publications themselves

All the publication themselves are present as Annexes of this deliverable. This paper is a living document and will be updated during the project runtime.

2 wearIT@work scientific publications

2.1 1st year scientific publication (1st of June, 2004 – 31st of May, 2005)

Title	Heterogeneous, Distributed On Body Computing in the WearIT@Work Project
Abstract	
Author(s) name and institution	Lukowicz, P., Amft, O., Bannach, D., and Tröster, G.
Date of publication	April 2004
Event where the publication has been presented	Proceedings of the International IEEE Conference in Mechatronics and Robotics
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20040401

Title	Multiple Access Interface Management and Flow Mobility
Abstract	
Author(s) name and institution	N. Fikouras, K. Kuladinithi, C. Görg, C. Bormann, A. Timm-Giel
Date of publication	June 2004
Event where the publication has been presented	IST Mobile and Wireless Communications Summit 2004, Lyon
Link to the web site(s) where the publication is downloadable/purchasable	http://www.comnets.uni-bremen.de/~koo/2004ms.pdf
Link to the publication itself, as Annex of this document	Annex 20040601

Title	Tutorial on Mobile Ad hoc Networks
Abstract	
Author(s) name and institution	K. Kuladinithi and C. Görg
Date of publication	June 2004
Event where the publication has been presented	1st Regional Conference on ICT and E-paradigms, Colombo, Sri Lanka
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20040601a

Title	Mobile ad-hoc communications in AEC industry
Abstract	

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Author(s) name and institution	Kuladinithi K, Timm-Giel A and Görg C
Date of publication	August 2004
Event where the publication has been presented	Electronic Journal of Information Technology in Construction
Link to the web site(s) where the publication is downloadable/purchasable	http://www.itcon.org/cgi-bin/works/Show?2004_22
Link to the publication itself, as Annex of this document	Annex 20040801

Title	The 2004 Report on new working environments and practices
Abstract	
Author(s) name and institution	
Date of publication	September 2004
Event where the publication has been presented	Collaboration@Work
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20040901

Title	Design of the QBIC wearable computing platform
Abstract	
Author(s) name and institution	Amft O, Lauffer M, Ossevoort S, Macaluso F, Lukowicz P, Tröster G.
Date of publication	September 27-29, 2004
Event where the publication has been presented	In Proceedings of the 15th IEEE International Conference on Application Specific Systems, Architectures and Processors
Link to the web site(s) where the publication is downloadable/purchasable	http://www.wearable.ethz.ch/fileadmin/pdf_files/pub/asap2004_qbic.pdf
Link to the publication itself, as Annex of this document	Annex 20040927

Title	Mobile collaboration with wearables
Abstract	
Author(s) name and institution	FIT
Date of publication	November 06, 2004
Event where the publication has been presented	Workshop on Methodologies for Evaluating Collaboration Behaviour in Collocated Environments
Link to the web site(s) where the publication is downloadable/purchasable	http://www.edgelab.ca/CSCW/Workshop2004/papers/Position_Paper_Klann1.pdf
Link to the publication itself, as Annex of this document	Annex 20041106

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Title	Experimental Evaluation of AODV Implementations
Abstract	
Author(s) name and institution	K. Kuladinithi, A. Udugama, N. Fikouras, A. Timm-Giel, C. Görg
Date of publication	November 2004
Event where the publication has been presented	CEWIT 2004, New York, USA
Link to the web site(s) where the publication is downloadable/purchasable	http://www3.informatik.uni-wuerzburg.de/ITG/2004/abstract/goerg_abstract.pdf
Link to the publication itself, as Annex of this document	Annex 20041101

Title	On demand self organising ad hoc networks - Implementation architectures
Abstract	
Author(s) name and institution	K. Kuladinithi, A. Udugama, C. Görg
Date of publication	November 2004
Event where the publication has been presented	12th WWRF meeting 2004, Toronto, Canada
Link to the web site(s) where the publication is downloadable/purchasable	http://www.comnets.uni-bremen.de/~koo/2004wwrf.pdf
Link to the publication itself, as Annex of this document	Annex 20041101a

Title	eXact iTutor and the Wearit@work Project: On-site Industrial Training and Daily Maintenance Activity Support
Abstract	An overview on past and ongoing research activities aiming at developing innovative mobile/wearable solutions for supporting industrial training and daily activities.
Author(s) name and institution	Giancarlo Bo (GIUNTI Labs, Italy)
Date of publication	March 2005
Event where the publication has been presented	Markt Innovatium 2005
Link to the web site(s) where the publication is downloadable/purchasable	http://www.du.nl/digiuni/index.cfm/site/INNOVATIUM%202005/pageid/FCFC30E6-C682-6244-66752CFF481D0966/index.cfm
Link to the publication itself, as Annex of this document	Annex 20050301

Title	Towards Luxtrace: Using solar cells to support human position tracking
Abstract	
Author(s) name and institution	Amft O., J.F. Randall J.F., Tröster G.
Date of publication	March 17 - 18, 2005
Event where the publication has been presented	Proceedings of the International Forum on Applied Wearable Com-

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	puting (IFAWC)
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20050317

Title	Detection of Walking Activities for Localization using Acceleration and Air Pressure Sensors
Abstract	
Author(s) name and institution	Thomas Stiefmeier, Gerhard Tröster
Date of publication	March 17 - 18, 2005
Event where the publication has been presented	2nd International Forum on Applied Wearable Computing (IFAWC), Zurich, Switzerland
Link to the web site(s) where the publication is downloadable/purchasable	http://spring.bologna.enea.it/ifawc/2005/ppts/IFAWC05_Stiefmeier.pdf
Link to the publication itself, as Annex of this document	Annex 20050317a

Title	Requirements of Wireless Communication for Wearable Computing at Work
Abstract	
Author(s) name and institution	P. Hofmann, C. Bettstetter, K. Kuladinithi, A. Timm-Giel, C. Gorg, R. Ok, Z. Sarilar - DoCoMo, UHB_D, Mobilera
Date of publication	17-18/03/2005
Event where the publication has been presented	IFAWC 2005
Link to the web site(s) where the publication is downloadable/purchasable	http://spring.bologna.enea.it/ifawc/2005/ppts/atg_ifawc2005_requirements.pdf
Link to the publication itself, as Annex of this document	Annex 20050317b

Title	A systematic approach for the design of context-aware components
Abstract	
Author(s) name and institution	Marco Luca Sbodio (Hewlett-Packard, Italy Innovation Center)- Wolfgang Thronicke (Siemens Business Services, Germany)
Date of publication	18 March 2005
Event where the publication has been presented	IFAWC 2005
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20050317c

Title	Research in Wireless Communications for Wearable Computing
Abstract	
Author(s) name and institution	A. Timm-Giel, K. Kuladinithi, P. Hofmann, C. Bettstetter, R. Ok, Z. Sarilar C. Görg
Date of publication	March 2005
Event where the publication has been presented	International Forum on Applied Wearable Computing (IFAWC), Zürich
Link to the web site(s) where the publication is downloadable/purchasable	http://spring.bologna.enea.it/ifawc/2005/ppts/atg_ifawc2005_research.pdf
Link to the publication itself, as Annex of this document	Annex 20050317d

Title	Towards implicit interaction by using wearable interaction devices for context recognition
Abstract	
Author(s) name and institution	UHB_D
Date of publication	May 2005
Event where the publication has been presented	ISWC '05
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20050501

Title	Using Information Theory to Design Context-Sensing Wearable Systems
Abstract	
Author(s) name and institution	H. Junker, P. Lukowicz, and G. Tröster, UMIT
Date of publication	May 2005
Event where the publication has been presented	IEEE Monograph Sensor Network Operations edited by S. Phoha, T.F. La Porta and C. Griffin. Willey-IEEE Press
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20050501a

Title	SCIPIO: A miniaturized building block for wearable interaction devices
Abstract	
Author(s) name and institution	HendrikWitt, Rüdiger Leibbrandt, Andreas Kernade, Holger Kenn (TZI, Universität Bremen, Germany)
Date of publication	May 2005

Event where the publication has been presented	ISWC '05 IFAWC2006 Proceeding
Link to the web site(s) where the publication is downloadable/purchasable	http://spring.bologna.enea.it/ifawc/2006/proceedings/IFAWC2006_11.pdf
Link to the publication itself, as Annex of this document	Annex 20050501b

Title	ROC Analysis of Partitioning Method for Activity Recognition Using Two Microphones
Abstract	
Author(s) name and institution	Jamie A Ward, Paul Lukowicz and Gerhard Troester, UMIT
Date of publication	08-13/05/05
Event where the publication has been presented	Advances in Pervasive Computing Adjunct Proceedings of the 3rd International Conference on Pervasive Computing
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20050508

Title	Design Methodology for Context-Aware Wearable Sensor Systems
Abstract	
Author(s) name and institution	U. Anliker, H. Junker, P. Lukowicz, G. Tröster, UMIT
Date of publication	08-13/05/05
Event where the publication has been presented	3rd Intl. Conf. on Pervasive Computing
Link to the web site(s) where the publication is downloadable/purchasable	http://nslab.ee.ntu.edu.tw/iSpace/seminar/index.php?action=schedule&year=2005_Summer&pattern=
Link to the publication itself, as Annex of this document	Annex 20050508a

Title	Towards Luxtrace: Using solar cells to measure distance indoors
Abstract	
Author(s) name and institution	Randall, J.F. , Amft, O., Tröster G.
Date of publication	May 12-13, 2005
Event where the publication has been presented	Proceedings of the International Conference on Location and Context Awareness (LoCA)
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20050512

Title	Specification and Design of framework-based Context Processing
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	Modules
Abstract	
Author(s) name and institution	Marco Luca Sbodio, Wolfgang Thronicke, HP and SIEMENS
Date of publication	17/05/05
Event where the publication has been presented	CAPS 2005: Workshop on Context Awareness for Proactive Systems, 16-17 June 2005, Helsinki, Finland.
Link to the web site(s) where the publication is downloadable/purchasable	http://www.cs.helsinki.fi/hiit_bru/conferences/caps2005/presentations/sbodio_thronicke_CAPS2005.pdf
Link to the publication itself, as Annex of this document	Annex 20050517

Title	Ontology-based Context Management Components for Service Oriented Architectures on Wearable Devices
Abstract	
Author(s) name and institution	Marco Luca Sbodio, Wolfgang Thronicke, HP and SIEMENS
Date of publication	17/05/05
Event where the publication has been presented	IEEE Industrial Informatics Conference Special Session 2, Service Oriented Architectures in Converging Networked Environments, 10-12 August 2005, Perth, Australia ARC 2006
Link to the web site(s) where the publication is downloadable/purchasable	http://ieeexplore.ieee.org/iel5/10439/33134/01560364.pdf?arnumber=1560364
Link to the publication itself, as Annex of this document	Annex 20050517a

2.2 2nd year scientific publication (1st of June, 2005 – 31st of May, 2006)

Title	WearIT@work: Communications for the Mobile Worker Equipped with Wearable Computing
Abstract	
Author(s) name and institution	A. Timm-Giel, K. Kuladinithi, C. Görg
Date of publication	June 2005
Event where the publication has been presented	IST Mobile Summit 2005, Dresden
Link to the web site(s) where the publication is downloadable/purchasable	http://www.eurasip.org/content/Eusipco/IST05/papers/520.pdf
Link to the publication itself, as Annex of this document	Annex 20050601

Title	The Open Wearable Computing Group (OWCG) - a Community Building Instrument
Abstract	
Author(s) name and institution	M. Boronowsky, O.Herzog, P. Knackfuß, M. Lawo (UHB_D, InfoConsult)
Date of publication	22/06/2005
Event where the publication has been presented	
Link to the web site(s) where the publication is downloadable/purchasable	http://www.tzi.de/fileadmin/user_upload/wearlab/downloads/wearlab-Publication/A_Community_Building_Instrument_2005-Boronowsky.pdf
Link to the publication itself, as Annex of this document	Annex 20050622

Title	wearIT@work - Empowering the Mobile Worker by Wearable Computing – the First Results
Abstract	
Author(s) name and institution	UHB_D, InfoConsult
Date of publication	22/06/2005
Event where the publication has been presented	
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20050622a

Title	Gesture Spotting Using Wrist Worn Microphone and 3-Axis Accelerometer
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Abstract	
Author(s) name and institution	Ward J.A., Lukowicz P., Tröster G.
Date of publication	October 12th - 14th 2005
Event where the publication has been presented	Soc-Eusai '05, Proceedings
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20051012

Title	Using Ultrasonic Hand Tracking to Augment Motion Analysis Based Recognition of Manipulative Gestures
Abstract	
Author(s) name and institution	Georg Ogris, Thomas Stiefmeier, Holger Junker, Paul Lukowicz, Gerhard Tröster
Date of publication	October 18 - 21, 2005
Event where the publication has been presented	9th IEEE International Symposium on Wearable Computers (ISWC), Osaka, Japan
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20051018

Title	Power and Size Optimized Multisensor Context Recognition Platform
Abstract	
Author(s) name and institution	N.B. Bharatula, M. Stäger, P. Lukowicz, G. Tröster, UMIT
Date of publication	18-21/10/05
Event where the publication has been presented	9th IEEE International Symposium on Wearable Computers, Osaka, Japan
Link to the web site(s) where the publication is downloadable/purchasable	http://ieeexplore.ieee.org/iel5/10396/33046/01550807.pdf?arnumber=1550807
Link to the publication itself, as Annex of this document	Annex 20051018a

Title	Mobile Learning and Wearable Training: business solutions and models
Abstract	-
Author(s) name and institution	Giancarlo Bo (GIUNTI Labs, Italy)
Date of publication	November 2005
Event where the publication has been presented	Mobile Europe 2005
Link to the web site(s) where the publication is download-	http://mobile-europe.redlink.de/index.html

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able/purchasable	
Link to the publication itself, as Annex of this document	Annex 20051101

Title	WearIT@Work and iTutor Projects: Experimenting with Wearable and Mobile Solutions for Industrial Training and Exploitation in EADS Sogerma and Fiat Comau
Abstract	This presentation aims at exploring the potentialities of wearable and mobile computing for supporting training and daily field activities in industrial environments. The ongoing activities and the objectives of the European project WearIT@Work will be explored, as a potential extension and enhancement of the existing platform eXact iTutor®, which is commercialized by Giunti Interactive Labs.
Author(s) name and institution	Giancarlo Bo (GIUNTI Interactive Labs, Italy)
Date of publication	November 2005
Event where the publication has been presented	Online Educa Berlin 2005
Link to the web site(s) where the publication is downloadable/purchasable	https://www.online-educa.com/en/
Link to the publication itself, as Annex of this document	Annex 20051101a

Title	Self-configuring Communication Service Module for Wearable Computers
Abstract	
Author(s) name and institution	A. Timm-Giel, K. Kuladinithi, C. Görg
Date of publication	December 2005
Event where the publication has been presented	WWRF15 Meeting, Paris
Link to the web site(s) where the publication is downloadable/purchasable	http://www.comnets.uni-bremen.de/~koo/2005wwrf.pdf
Link to the publication itself, as Annex of this document	Annex 20051201

Title	Radio Disjoint Multi-Path Routing in MANET
Abstract	
Author(s) name and institution	K. Kuladinithi, M. Becker, C. Görg, S. Das
Date of publication	December 2005
Event where the publication has been presented	CEWIT (Center of Excellence in Wireless and Information Technology) 2005 Conference, Stony Brook
Link to the web site(s) where the publication is downloadable/purchasable	http://www.sfb637.uni-bremen.de/pubdb/repository/SFB637-B3-05-003-IC.pdf
Link to the publication itself, as Annex of this document	Annex 20051201a

Title	Wearable computing meets multiagent systems: a real-world interface for the RoboCupRescue simulation platform
Abstract	
Author(s) name and institution	Alexander Kleiner, Nils Behrens, Holger Kenn
Date of publication	2006
Event where the publication has been presented	Proceedings of the First International Workshop on Agent Technology for Disaster Management at AAMAS06, 2006
Link to the web site(s) where the publication is downloadable/purchasable	http://www.informatik.uni-freiburg.de/~kleiner/papers/kleiner-et-al-aamas06.pdf
Link to the publication itself, as Annex of this document	Annex 20060101

Title	Activity Recognition of Assembly Tasks Using Body-Worn Microphones and Accelerometers
Abstract	
Author(s) name and institution	Ward J., Lukowicz P., Tröster G., Starner T.
Date of publication	2006
Event where the publication has been presented	IEEE Transactions on Pattern Analysis and Machine Intelligence
Link to the web site(s) where the publication is downloadable/purchasable	http://www.computer.org/portal/site/ieeecs/
Link to the publication itself, as Annex of this document	Annex 20060101a

Title	Human activity recognition using body worn micro-phones and accelerometers for assembly tasks
Abstract	
Author(s) name and institution	J. A. Ward, P. Lukowicz, G. Tröester, and T. Starner, UMIT
Date of publication	2006
Event where the publication has been presented	IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI)
Link to the web site(s) where the publication is downloadable/purchasable	http://ieeexplore.ieee.org/iel5/34/35279/01677514.pdf?isnumber=35279&arnumber=1677514
Link to the publication itself, as Annex of this document	Annex 20060101b

Title	Are IEEE 802 Wireless Technologies Suited for Fire Fighters?
Abstract	
Author(s) name and institution	P. Hofmann, K. Kuladinithi, A. Timm-Giel, C. Görg, C. Bettstetter, F. Capman, C. Toulaly - DoCoMo, UHB_D, Thales, BSPP
Date of publication	2006
Event where the publication has been presented	European Wireless 2006

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Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20060101c

Title	Wearable Computing - Ein Ansatz zur Reduktion des administrativen Druckes im Gesundheitswesen
Abstract	
Author(s) name and institution	Michael Lawo, Kurt Adamer, Felix Frick, Otthein Herzog, Paul Lukowicz, Thomas Ziegert
Date of publication	January 2006
Event where the publication has been presented	In FlfF Kommunikation, pp.38-41
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20060101d

Title	Positioning in wearIT@work.
Abstract	
Author(s) name and institution	Stéphane Beaugard, Martin Klepal, Widyawan
Date of publication	2006
Event where the publication has been presented	In Proceedings Liaison workshop, Athens.
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20060101e

Title	A Glove for Seamless Computer Interaction - Understand the WIN-SPECT.
Abstract	
Author(s) name and institution	Michael Lawo, Hendrik Witt, Holger Kenn, Tom Nicolai, Rüdiger Leibrand.
Date of publication	2006
Event where the publication has been presented	In Proceedings of the The Smart Glove Workshop, pp. 3-8
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20060101f

Title	Ein drahtloser Eingabehandschuh für das Wearable Computing
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Abstract	
Author(s) name and institution	Michael Lawo
Date of publication	2006
Event where the publication has been presented	In Heinecke, H. Paul (Hrsg.): Mensch & Computer 2006: Mensch und Computer im Struktur Wandel München, Oldenbourg Verlag
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20060101g

Title	Towards Detecting Social Situations with Bluetooth.
Abstract	
Author(s) name and institution	Tom Nicolai, Holger Kenn
Date of publication	2006
Event where the publication has been presented	In Proceedings of the Ubicomp
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20060101h

Title	Exploring Social Context with the Wireless Rope
Abstract	
Author(s) name and institution	Tom Nicolai, Eiko Yoneki, Nils Behrens, Holger Kenn
Date of publication	2006
Event where the publication has been presented	In Proceedings of the 1st International Workshop on MOBILE and NETWORKING Technologies for social applications (MONET'06)
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20060101i

Title	Ein drahtloser Eingabehandschuh für Augmented Reality Anwendungen.
Abstract	
Author(s) name and institution	Michael Lawo
Date of publication	2006
Event where the publication has been presented	5. Paderborner Workshop Augmented & Virtual Reality in der Produktstehung, 31.5.-1.6., Paderborn, Hersg. J.Gausemeier und M.Grafe, S.199-208.
Link to the web site(s) where the publication is downloadable/purchasable	

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Link to the publication itself, as Annex of this document	Annex 20060101I
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Title	Advancing learning personalization through mobile learning
Abstract	This paper offers an overview on the concept of “personalization” applied to learning processes in a context of mobility, through an analysis of both the related open issues and the expected benefits that would come from the introduction of mobile technologies as a support to individual learning experiences. Relevant technical aspects are discussed too and a framework for creating pedagogically sound mobile services suitable to support ubiquitous enriched learning experiences is presented. This work mainly refers to the major outcomes from three very relevant EU projects – MOBILearn, WearIT@Work and Natacha - where real users have been involved since the beginning in the research activities, thus helping in defining relevant generic mobile knowledge management use cases and pedagogical models. Some examples of potential learning/training applications and real-life use scenarios are provided to show how in practice mobile technologies can be fruitfully exploited to promote innovative, user-dependent, learning, training and edutainment strategies.
Author(s) name and institution	Giancarlo Bo (GIUNTI Interactive Labs, Italy)
Date of publication	February 2006
Event where the publication has been presented	GUIDE 2006
Link to the web site(s) where the publication is downloadable/purchasable	http://www.unimarconi.it/conference06/
Link to the publication itself, as Annex of this document	Annex 20060201

Title	Empowering the mobile worker by wearable computing - wearIT@work
Abstract	
Author(s) name and institution	UHB_D, Infoconsult
Date of publication	February 2006
Event where the publication has been presented	Journal of Telecommunications and Information Technology
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20060201a

Title	Wearable Computing - an Approach for Living Labs
Abstract	
Author(s) name and institution	Michael Boronowsky, Otthein Herzog (TZI, Universität Bremen, Germany), Peter Knackfuß (Info Consult GmbH, Bremen, Germany) ,

	Michael Lawo (TZI, Universität Bremen, Germany)
Date of publication	March 2006
Event where the publication has been presented	IFAWC2006 Proceeding
Link to the web site(s) where the publication is downloadable/purchasable	http://spring.bologna.enea.it/ifawc/2006/proceedings/IFAWC2006_2.pdf
Link to the publication itself, as Annex of this document	Annex 20060301

Title	Wearable Computing for Aircraft Maintenance: Simplifying the User Interface
Abstract	
Author(s) name and institution	Tom Nicolai, Thomas Sindt, Hendrik Witt, Jörn Reimerdes, Holger Kenn (TZI, Universität Bremen, Germany)
Date of publication	March 2006
Event where the publication has been presented	IFAWC2006 Proceeding
Link to the web site(s) where the publication is downloadable/purchasable	http://spring.bologna.enea.it/ifawc/2006/proceedings/IFAWC2006_3.pdf
Link to the publication itself, as Annex of this document	Annex 20060301a

Title	Wearable Computing and Mobile Workers: The Aeronautic Maintenance Showcase in the WearIT@Work Project
Abstract	WearIT@Work is an Integrated Project co-funded by the European Commission under the Information Society Technologies 6th Framework Programme. As a general objective, WearIT@Work aims to develop a mobile computing platform that supports complex tasks with limited and multimodal human-machine interaction and thereby enables mobile professionals to keep their attention focused on the interaction with the work environment. Wearable mobile computing can empower professionals to higher levels of productivity by providing more seamless and effective forms of access to knowledge at the point of work, collaboration and communication. This paper illustrates the ongoing activities and some qualitative preliminary results achieved up to now in the first phase of the project, with respect to a relevant application scenario: the support to maintenance activities in the aeronautic industry.
Author(s) name and institution	Giancarlo Bo, Andrea Lorenzon (GIUNTI Interactive Labs, Italy), Nicolas Chevassus (EADS Corporate Research Center France), Valerie Blondel (Airbus CIMPA, France)
Date of publication	March 2006
Event where the publication has been presented	IFAWC2006
Link to the web site(s) where the publication is downloadable/purchasable	http://spring.bologna.enea.it/ifawc/
Link to the publication itself, as Annex of this document	Annex 20060301b

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Annex of this document	
Title	Wearable Computers in Clinical Ward Rounds
Abstract	
Author(s) name and institution	Victoria Carlsson, Tobias Klug, Thomas Ziegert, Andreas Zinnen (SAP Research CEC Darmstadt, Germany)
Date of publication	March 2006
Event where the publication has been presented	IFAWC2006 Proceeding
Link to the web site(s) where the publication is downloadable/purchasable	http://elara.tk.informatik.tu-darmstadt.de/publications/2006/IFAWC-2006-SAP-Research-camera_ready.pdf
Link to the publication itself, as Annex of this document	Annex 20060301c

Title	Using wearable computing for knowledge management
Abstract	
Author(s) name and institution	Edna Pasher, Maya Levin-Sagi (Edna Pasher & Associates, Israel), Ron Dvir (Innovation Ecology, Israel), Michael Goldberg (Edna Pasher & Associates, Israel)
Date of publication	March 2006
Event where the publication has been presented	IFAWC2006 Proceeding
Link to the web site(s) where the publication is downloadable/purchasable	http://spring.bologna.enea.it/ifawc/2006/proceedings/IFAWC2006_6.pdf
Link to the publication itself, as Annex of this document	Annex 20060301d

Title	Playing with Fire: towards virtual prototyping of wearable computing for highly situated contexts of use
Abstract	
Author(s) name and institution	Markus Klann, Leonardo Ramirez, Andreas Lehnhoff, Tobias Dyrks (Fraunhofer Institute FIT, Germany)
Date of publication	March 2006
Event where the publication has been presented	IFAWC2006 Proceeding
Link to the web site(s) where the publication is downloadable/purchasable	http://spring.bologna.enea.it/ifawc/2006/proceedings/IFAWC2006_7.pdf
Link to the publication itself, as Annex of this document	Annex 20060301e

Title	Machine learning algorithms for task identification
Abstract	
Author(s) name and institution	Aitor Ibarburen, Iñaki Maurtua, Loreto Susperregi (Fundación Tekniker,

	Spain), Basilio Sierra (Dept. of Computer Science and Artificial Intelligence, University of the Basque Country, Spain)
Date of publication	March 2006
Event where the publication has been presented	IFAWC2006 Proceeding
Link to the web site(s) where the publication is downloadable/purchasable	http://spring.bologna.enea.it/ifawc/2006/proceedings/IFAWC2006_8.pdf
Link to the publication itself, as Annex of this document	Annex 20060301f

Title	A Helmet-Mounted Pedestrian Dead Reckoning System
Abstract	
Author(s) name and institution	Stéphane Beauregard (TZI, Universität Bremen, Germany)
Date of publication	March 2006
Event where the publication has been presented	IFAWC2006 Proceeding
Link to the web site(s) where the publication is downloadable/purchasable	http://spring.bologna.enea.it/ifawc/2006/proceedings/IFAWC2006_9.pdf
Link to the publication itself, as Annex of this document	Annex 20060301g

Title	Event-Based Activity Tracking in Work Environments
Abstract	
Author(s) name and institution	Thomas Stiefmeier, Clemens Lombriser, Daniel Roggen, Holger Junker, Georg Ogris, Gerhard Tröster
Date of publication	March 15 - 16, 2006
Event where the publication has been presented	3rd International Forum on Applied Wearable Computing (IFAWC), Bremen, Germany
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20060301h

Title	Head Mounted Displays for Fire Fighters
Abstract	
Author(s) name and institution	Nora Bretschneider, Simon Brattke, Karlheinz Rein (Carl Zeiss AG, Oberkochen Research Center, Germany)
Date of publication	March 2006
Event where the publication has been presented	IFAWC2006 Proceeding
Link to the web site(s) where the publication is downloadable/purchasable	http://spring.bologna.enea.it/ifawc/2006/proceedings/IFAWC2006_12.pdf
Link to the publication itself, as Annex of this document	Annex 20060301i

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Title	Context processing within an open, component-oriented, software framework
Abstract	
Author(s) name and institution	Marco Luca Sbodio (Hewlett-Packard, Italy Innovation Center), Wolfgang Thronicke (Siemens Business Services, Germany)
Date of publication	March 2006
Event where the publication has been presented	IFAWC2006 Proceeding
Link to the web site(s) where the publication is downloadable/purchasable	http://spring.bologna.enea.it/ifawc/2006/proceedings/IFAWC2006_16.pdf
Link to the publication itself, as Annex of this document	Annex 20060301l

Title	Performance of IEEE 802.11 Wireless Technologies in Airplane Maintenance
Abstract	
Author(s) name and institution	Philipp Hofmann (DoCoMo Euro-Labs, Germany); Koojana Kuladinithi, Andreas Timm-Giel, Carmelita Görg (TZI ikom, Universität Bremen, Germany)
Date of publication	March 2006
Event where the publication has been presented	IFAWC2006 Proceeding
Link to the web site(s) where the publication is downloadable/purchasable	http://spring.bologna.enea.it/ifawc/2006/proceedings/IFAWC2006_13.pdf
Link to the publication itself, as Annex of this document	Annex 20060301m

Title	Smart Networking Requests: Supporting Application Development Relying on Network Connectivity for Wearable Computers
Abstract	
Author(s) name and institution	Friedel van Megen (European Microsoft Innovation Centre, Germany), Andreas Timm-Giel (TZI ikom, Universität Bremen, Germany), Ivo Salmre (European Microsoft Innovation Centre, Germany), Carmelita Görg (TZI ikom, Universität Bremen, Germany)
Date of publication	March 2006
Event where the publication has been presented	IFAWC2006 Proceeding
Link to the web site(s) where the publication is downloadable/purchasable	http://spring.bologna.enea.it/ifawc/2006/proceedings/IFAWC2006_14.pdf
Link to the publication itself, as Annex of this document	Annex 20060301n

Title	Distributed Modular Toolbox for Multi-Modal Context Recognition
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Abstract	
Author(s) name and institution	Bannach D., Kunze K., Lukowicz P., Amft, O.
Date of publication	March 2006
Event where the publication has been presented	ARCS 2006, Proceedings of the 19th International Conference on Architecture of Computing Systems
Link to the web site(s) where the publication is downloadable/purchasable	http://csn.uit.at/publications/publikation.2005-11-29.0499572110/CRN_Toolbox_ARCS2006.pdf
Link to the publication itself, as Annex of this document	Annex 20060301o

Title	Mobility in WSN – Addressing, Gateway and Routing
Abstract	
Author(s) name and institution	A. Timm-Giel
Date of publication	March 7th, 2006
Event where the publication has been presented	CRUISE Workshop on Security and Mobilty for WSNs, CTIF Aalborg University
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20060307

Title	Sensing Muscle Activities with Body-Worn Sensors
Abstract	
Author(s) name and institution	Amft, O., Junker, H., Lukowicz, P., Tröster, G., and Schuster, C.
Date of publication	April 2006
Event where the publication has been presented	IEEE International Workshop on Wearable and Implantable Body Sensor Networks, 2006, Boston USA
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20060401

Title	HotWire: An apparatus for Simulating Primary Tasks in Wearable Computing
Abstract	
Author(s) name and institution	Hendrik Witt and Mikael Drugge
Date of publication	22-27/04/2006
Event where the publication has been presented	ACM International Conference on Human Factors in Computing Systems (CHI), Montréal, Canada
Link to the web site(s) where the publication is downloadable/purchasable	http://matrix.wearlab.de/publications/papers/tzim_WitDru_CHI06a.pdf

Link to the publication itself, as Annex of this document	Annex 20060422
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Title	wearIT@work - Empowering the mobile Worker by Wearable Computing - The First Demonstrators.
Abstract	
Author(s) name and institution	Michael Boronowsky, Otthein Herzog, Peter Knackfuß, Michael Lawo
Date of publication	3 - 5 May 2006
Event where the publication has been presented	In Proceedings IST-Africa 2006, Pretoria/South Africa
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20060503

Title	Self-Configuring Communication Service Module Supporting Autonomous Control of Logistic Goods
Abstract	
Author(s) name and institution	A. Timm-Giel, C. Görg
Date of publication	4./5. May 2006
Event where the publication has been presented	3rd International Workshop on Managing Ubiquitous Communications And Services (MUCS 2006), Cork (IRL)
Link to the web site(s) where the publication is downloadable/purchasable	http://www.sfb637.uni-bremen.de/pubdb/repository/SFB637-B3-06-010-IC.pdf
Link to the publication itself, as Annex of this document	Annex 20060504

Title	Ubiquitous Context Based Services in Wearable Computing Systems
Abstract	
Author(s) name and institution	A. Timm-Giel
Date of publication	May 5th, 2006
Event where the publication has been presented	3rd International Workshop on Managing Ubiquitous Communications And Services (MUCS 2006), Invited Talk, Cork (IRL)
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20060505

Title	From Sensors to Miniature Networked SensorButtons
Abstract	
Author(s) name and institution	D. Roggen, N.B. Bharatula, M. Stäger, P. Lukowicz, G. Tröster, UMIT

Date of publication	31/05-02/06/06
Event where the publication has been presented	INSS 2006, 3rd International Conference on Networked Sensing Systems, Chicago, USA
Link to the web site(s) where the publication is downloadable/purchasable	http://www2.ife.ee.ethz.ch/~droggen/inss_roggen.pdf
Link to the publication itself, as Annex of this document	Annex 20060531

2.3 3rd year scientific publication (1st of June, 2006 – 31st of May, 2007)

Title	Evaluating Performance in continuous context recognition using event-driven error characterisation
Abstract	
Author(s) name and institution	Jamie A Ward, Paul Lukowicz and Gerhard Troester, UMIT
Date of publication	June 2006
Event where the publication has been presented	Springer LNCS LOCA 2006
Link to the web site(s) where the publication is downloadable/purchasable	http://www2.ife.ee.ethz.ch/~ward/papers/performance-in-continuous-context-rec-ward-2006.pdf
Link to the publication itself, as Annex of this document	Annex 20060601

Title	Software Agents for Ambient Intelligence based Manufacturing
Abstract	
Author(s) name and institution	Aitor Ibarburen, Iñaki Maurtua, Loreto Susperregi, Miguel Angel Pérez -Fundación Tekniker
Date of publication	June 2006
Event where the publication has been presented	IEEE 2006 Workshop on Distributed Intelligent Systems, Prague
Link to the web site(s) where the publication is downloadable/purchasable	http://www.action-m.com/dis2006/
Link to the publication itself, as Annex of this document	Annex 20060601a

Title	Ambient Intelligence technologies in Manufacturing
Abstract	
Author(s) name and institution	Aitor Ibarburen, Iñaki Maurtua, Loreto Susperregi, (Fundación Tekniker, Spain), Basilio Sierra (Dept. of Computer Science and Artificial Intelligence, University of the Basque Country, Spain)
Date of publication	June 2006
Event where the publication has been presented	39th CIRP International Seminar on Manufacturing Systems, Ljubljana
Link to the web site(s) where the publication is downloadable/purchasable	http://www.fs.uni-lj.si/lakos/CIRPISMS/
Link to the publication itself, as Annex of this document	Annex 20060601b

Title	Wireless and Ad Hoc Communications Supporting the Firefighter
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Abstract	
Author(s) name and institution	A. Timm-Giel, K. Kuladinithi, P. Hofmann, C. Görg
Date of publication	4-8 June 2006
Event where the publication has been presented	IST Mobile Summit 2006, Mykonos (GR)
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20060604

Title	Wireless Sensor Networks in Wearable and Logistic Application
Abstract	
Author(s) name and institution	A. Timm-Giel, M. Becker, C. Görg
Date of publication	June 8th, 2006
Event where the publication has been presented	Joint e-SENSE, MAGNET Beyond, DAIDALOS, and CRUISE Workshop during the IST Mobile Summit 2006 on Mykonos (GR)
Link to the web site(s) where the publication is downloadable/purchasable	http://www.ist-esense.org/fileadmin/images/PDF_Other/IST_SUMMIT_2006/4.b.C.pdf
Link to the publication itself, as Annex of this document	Annex 20060608

Title	Wearable Computing – a new approach in concurrent enterprising
Abstract	
Author(s) name and institution	Michael Boronowsky, Otthein Herzog, Peter Knackfuß, Michael Lawo
Date of publication	28 June 2006
Event where the publication has been presented	ICE 2006, Milan, Italy
Link to the web site(s) where the publication is downloadable/purchasable	http://matrix.wearlab.de/publications/papers/tzim_BorHerKnaLaw_IC E06b.pdf
Link to the publication itself, as Annex of this document	Annex 20060628

Title	On the use of wearable computing solutions in aircraft maintenance – first results from wearIT@work.
Abstract	
Author(s) name and institution	Michael Lawo, Michael Boronowsky, Otthein Herzog
Date of publication	August 2006
Event where the publication has been presented	In Proceedings CANEUS - MNT for Aerospace Applications, Toulouse/France.
Link to the web site(s) where the publication is downloadable/purchasable	

Link to the publication itself, as Annex of this document	Annex 20060801
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Title	Mobile Learning, TV Learning, Wearable Training and Virtual Reality. Hype or reality? From EU R&D to practical medical scenarios
Abstract	-
Author(s) name and institution	Giancarlo Bo (GIUNTI Interactive Labs, Italy)
Date of publication	September 2006
Event where the publication has been presented	SMILE 2006
Link to the web site(s) where the publication is downloadable/purchasable	http://www.smile2006.org/presentations.html
Link to the publication itself, as Annex of this document	Annex 20060901

Title	Changing the working environment of mobile workers by wearable computing and mobile devices.
Abstract	
Author(s) name and institution	Michael Lawo
Date of publication	17.-18.9.2006
Event where the publication has been presented	In Proceedings 5th Mobile Europe 2007, Malaga
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20060917

Title	Advanced Personalized Learning and Training Applications Through Mobile Technologies and Services
Abstract	This paper offers an overview on the concept of "personalization" applied to learning processes in a context of mobility, through an analysis of both the related open issues and the expected benefits that would come from the introduction of mobile technologies as a support to individual learning experiences. Relevant technical aspects are discussed too and a framework for creating pedagogically sound mobile services suitable to support ubiquitous enriched learning experiences is presented. This work mainly refers to the major outcomes from three very relevant EU projects – MOBILearn, WearIT@Work and Natacha - where real users have been involved since the beginning in the research activities, thus helping in defining relevant generic mobile knowledge management use cases and pedagogical models. Some examples of potential learning/training applications and real-life use scenarios are provided to show how in practice mobile technologies can be fruitfully exploited to promote innovative, user-dependent, learning, training and edutainment strategies.
Author(s) name and institution	Giancarlo Bo (GIUNTI Interactive Labs, Italy)

Date of publication	October 2006
Event where the publication has been presented	EC-TEL 2006- First European Conference on Technology Enhanced Learning
Link to the web site(s) where the publication is downloadable/purchasable	http://www.springerlink.com/content/63j7371154287332/?p=52002674c0ee4b419c4f736179f8248f&pi=51
Link to the publication itself, as Annex of this document	Annex 20061001

Title	Combining Motion Sensors and Ultrasonic Hands Tracking for Continuous Activity Recognition in a Maintenance Scenario
Abstract	
Author(s) name and institution	Thomas Stiefmeier, Georg Ogris, Holger Junker, Paul Lukowicz, Gerhard Tröster
Date of publication	October 11-14, 2006
Event where the publication has been presented	10th IEEE International Symposium on Wearable Computers (ISWC), Montreux, Switzerland
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20061011

Title	Using the HotWire to Study Interruptions in Wearable Computing Primary Tasks
Abstract	
Author(s) name and institution	Mikael Drugge, Hendrik Witt, Peter Parnes, Kare Synnes
Date of publication	October 11-14, 2006
Event where the publication has been presented	10th IEEE International Symposium on Wearable Computers (ISWC), Montreux, Switzerland
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20061011a

Title	Mobile City Bremen - Von der Forschung zu innovativen mobilen Lösungen
Abstract	
Author(s) name and institution	Otthein Herzog, Michael Lawo, Michael Boronowsky, Holger Kenn, Tom Nicolai, Hendrik Witt, Ulrich Glotzbach
Date of publication	October 13, 2006
Event where the publication has been presented	Internationale Fachtagung Wireless Communication and Information (WCI), Berlin, Germany
Link to the web site(s) where the publication is downloadable/purchasable	

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Link to the publication itself, as Annex of this document	Annex 20061013
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Title	Wearable Computing and Living Labs – Synergy at Work
Abstract	
Author(s) name and institution	Michael Boronowsky, Otthein Herzog, Peter Knackfuß, Michael Lawo
Date of publication	25-27 Oktober 2006
Event where the publication has been presented	In Proceedings eChallenge 2006, Barcelona
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20061025

Title	Towards Implicit Interaction by Using Wearable Interaction Device Sensors for more than one Task
Abstract	
Author(s) name and institution	Hendrik Witt and Holger Kenn
Date of publication	October 25-27, 2006
Event where the publication has been presented	3rd International Conference on Mobile Technology, Applications and Systems (IEE Mobility Conference), Bangkok, Thailand
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20061025a

Title	Reconocimiento Inteligente de Tareas en Entornos Industriales mediante Guantes Sensorizados
Abstract	
Author(s) name and institution	Aitor Ibarguren, Iñaki Maurtua, Loreto Susperregi, Carlos Tubio, Iñigo Segovia (Fundación Tekniker, Spain), Basilio Sierra (Dept. of Computer Science and Artificial Intelligence, University of the Basque Country, Spain)
Date of publication	November 2006
Event where the publication has been presented	2nd International Workshop on Ubiquitous Computing & Ambient Intelligence
Link to the web site(s) where the publication is downloadable/purchasable	http://mami.uclm.es/wucami/index.php
Link to the publication itself, as Annex of this document	Annex 20061101

Title	Vergleich von Simulationswerkzeugen für die Simulation von drahtlosen Sensornetzen
Abstract	
Author(s) name and institution	M. Becker, A. Timm-Giel, C. Görg
Date of publication	November 16th, 2006
Event where the publication has been presented	Treffen der ITG FG 5.2.1.
Link to the web site(s) where the publication is downloadable/purchasable	http://www.comnets.uni-bremen.de/itg/itgfg521/aktuelles/fg-treffen-17112006/ITG-FG521-Becker-Bremen-Nov-2006.pdf
Link to the publication itself, as Annex of this document	Annex 20061116

Title	Visions and Challenges of Wireless Sensor Networks
Abstract	
Author(s) name and institution	A. Timm-Giel, G. Kotsis, D. Pesch, N. Prasad
Date of publication	November 17th, 2006
Event where the publication has been presented	6. Fachtagung des ITG Fachausschusses 5.2 Kommunikationsnetze und -systeme, „Zukunft der Netze“, Bremen
Link to the web site(s) where the publication is downloadable/purchasable	http://www.comnets.uni-bremen.de/typo3site/uploads/media/ITG-FA52-Timm-Giel-Bremen-Nov-2006.pdf
Link to the publication itself, as Annex of this document	Annex 20061117

Title	Visions and Challenges of Wireless Sensor Networks
Abstract	
Author(s) name and institution	A. Timm-Giel
Date of publication	December 18th, 2006
Event where the publication has been presented	Invited Talk, Institute of Communication Engineering, University of Rostock
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20061218

Title	Waving Real Hand Gestures Recorded by Wearable Motion Sensors to a Virtual Car and Driver in a Mixed-Reality Parking Game
Abstract	
Author(s) name and institution	Bannach, D., Amft, O., Kunze, K. S., Heinz, E. A., Tröster, G., and Lukowicz, P.
Date of publication	2007
Event where the publication has been presented	CIG 2007: Proceedings of the IEEE Symposium on Computational

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	Intelligence and Games, pp. 32–39
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070101

Title	A Bayesian Approach for RF-Based Indoor Localisation
Abstract	
Author(s) name and institution	Widyawan, Martin Klepal, Dirk Pesch
Date of publication	2007
Event where the publication has been presented	Submitted to ICGD&BC 2007 San Jose, CA
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070101a

Title	Investigating the Performance of a Multipath Dymo Protocol for Ad-hoc Networks
Abstract	
Author(s) name and institution	G. Koltsidas, F. Pavlidou, K. Kuladinithi, A. Timm-Giel, C. Görg
Date of publication	2007
Event where the publication has been presented	PIMRC '07, Athens 2007
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070101b

Title	Artificial Intelligence on Wearable Computers: Perspectives and Challenges
Abstract	
Author(s) name and institution	Holger Kenn, Tom Nicolai, Hendrik Witt, Stéphane Beauregard, Michael Lawo, Michael Boronowsky, Otthein Herzog
Date of publication	2007
Event where the publication has been presented	KI Künstliche Intelligenz (The German AI Journal), Vol. 2
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070101c

Title	Omnidirectional Pedestrian Navigation for First Responders
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Abstract	
Author(s) name and institution	Stéphane Beauregard
Date of publication	2007
Event where the publication has been presented	In Proceedings WPNC conference, Hannover
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070101d

Title	Wearable Computing – Informationen zur rechten Zeit am rechten Ort.
Abstract	
Author(s) name and institution	Michael Lawo
Date of publication	2007
Event where the publication has been presented	In Industrie management 2/2007, pp. 21-24
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070101e

Title	Design, Development, and Evaluation of User Interfaces for Wearable Computers.
Abstract	
Author(s) name and institution	Hendrik Witt
Date of publication	2007
Event where the publication has been presented	I-com, Vol. 2, 2007, Oldenbourg Wissenschaftsverlag, München in press
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070101f

Title	A Model-based approach for designing Physical User Interfaces for Industrial Environments
Abstract	
Author(s) name and institution	Kirisci, P., Thoben, K.D.
Date of publication	March 12-13 2007
Event where the publication has been presented	Proceedings of the Fourth International Forum on Applied Wearable Computing 2007, VDE Verlag, ISBN 978-3-8007-3017-9, Tel Aviv, Israel, p.145-156.

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Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070312

Title	A Wearable Computing Prototype for Supporting Training Activities in Automotive Production
Abstract	
Author(s) name and institution	Iñaki Maurtua (Tekniker), Pierre T. Kirisci (Biba) Thomas Stiefmeier (ETHZ), Marco Luca Sbodio (HP) Hendrik Witt (TZI)
Date of publication	March 12 - 13, 2007
Event where the publication has been presented	Proceedings of the Fourth International Forum on Applied Wearable Computing 2007, VDE Verlag, ISBN 978-3-8007-3017-9, Tel Aviv, Israel, p. 45-5.
Link to the web site(s) where the publication is downloadable/purchasable	http://spring.bologna.enea.it/ifawc/
Link to the publication itself, as Annex of this document	Annex 20070312a

Title	Security Challenges for Wearable Computing
Abstract	
Author(s) name and institution	John Lindstrom
Date of publication	March 12 - 13, 2007
Event where the publication has been presented	Proceedings of the Fourth International Forum on Applied Wearable Computing 2007, Tel Aviv, Israel.
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070312b

Title	Progress in wearIT@work Positioning Technologies.
Abstract	
Author(s) name and institution	Stéphane Beauregard, Martin Klepal, Widyawan, David López Pérez
Date of publication	March 12 - 13, 2007
Event where the publication has been presented	In Proceedings 4th IFAWC 2007, Tel Aviv/Israel.
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070312c

Title	Optimizing indoor PDR performance with self-deployed position markers
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Abstract	
Author(s) name and institution	Holger Kenn, Nils Behrens, Alexander Kleiner
Date of publication	March 12 - 13, 2007
Event where the publication has been presented	In Proceedings 4th IFAWC 2007, Tel Aviv/Israel.
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070312d

Title	A glove-based gesture interface for wearable computing Applications
Abstract	
Author(s) name and institution	Holger Kenn, Friedrich van Megen, Robert Sugar
Date of publication	March 12 - 13, 2007
Event where the publication has been presented	In Proceedings 4th IFAWC 2007, Tel Aviv/Israel.
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070312e

Title	wearIT@work - Towards Real Life Industrial Applications of Wearable Computing.
Abstract	
Author(s) name and institution	Michael Boronowsky, Otthein Herzog, Peter Knackfuß, Michael Lawo
Date of publication	March 12 - 13, 2007
Event where the publication has been presented	In Proceedings of 4th IFAWC, Tel Aviv
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070312f

Title	Evaluating Wearable User Interfaces: How to Simulate a Primary Manual Task?
Abstract	
Author(s) name and institution	Hendrik Witt
Date of publication	March 12-13, 2007
Event where the publication has been presented	4th International Forum on Applied Wearable Computing (IFAWC), Tel Aviv, Israel
Link to the web site(s) where the publication is downloadable/purchasable	

Link to the publication itself, as Annex of this document	Annex 20070312g
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Title	Developing Applications for Wearable Computers: A Process driven Example.
Abstract	
Author(s) name and institution	Ernesto Morales Kluge and Hendrik Witt
Date of publication	March 12-13, 2007
Event where the publication has been presented	4th International Forum on Applied Wearable Computing (IFAWC), Tel Aviv, Israel
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070312h

Title	Adaptive Heterogeneous Network Access
Abstract	
Author(s) name and institution	A. Timm-Giel, V. Pangboonyanon, A. Udugama
Date of publication	March 14th, 2007
Event where the publication has been presented	Workshop Adaptive Communications, Bremen
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070314

Title	Analysis of UDP, TCP and Voice Performance in IEEE 802.11b Multihop Networks
Abstract	
Author(s) name and institution	Philipp Hofmann (DoCoMo Euro-Labs, Germany); Chunlei An (University of Bremen, Germany); Luis Loyola (NTT Docomo, Germany); Imad Aad (DoCoMo Labs. Europe, Germany)
Date of publication	April 2007
Event where the publication has been presented	European Wireless 2007, Athens
Link to the web site(s) where the publication is downloadable/purchasable	http://www.ew2007.org/papers/1569014366.pdf
Link to the publication itself, as Annex of this document	Annex 20070401

Title	Comparing Two Methods for Gesture based Short Text Input using Chording
Abstract	

Author(s) name and institution	Hendrik Witt, Torben Janssen
Date of publication	April 28 - May 3, 2007
Event where the publication has been presented	ACM International Conference on Human Factors in Computing Systems (CHI), San Jose, California, USA
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070428

Title	Towards Industrial Applications of Wearable Computing.
Abstract	
Author(s) name and institution	Michael Boronowsky, Otthein Herzog, Peter Knackfuß, Michael Lawo
Date of publication	9.-12.5.2007
Event where the publication has been presented	In Proceedings IST AFRICA, Maputo
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070509

2.4 4th year scientific publication (1st of June, 2007 – 31st of August, 2007)

Title	Wearable and Location-based Training and Maintenance Support in Avionics: the WearIT@Work Project
Abstract	
Author(s) name and institution	Giancarlo Bo (GIUNTI Interactive Labs, Italy)
Date of publication	June 2007
Event where the publication has been presented	AICC Subcommittee Meetings
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070601

Title	Adding Wearable Training, Mobile Learning and TV Learning to Corporate Learning
Abstract	
Author(s) name and institution	Giancarlo Bo (GIUNTI Interactive Labs, Italy)
Date of publication	June 2007
Event where the publication has been presented	Training in Action 2007
Link to the web site(s) where the publication is downloadable/purchasable	http://www.traininginaction.org/agenda.html
Link to the publication itself, as Annex of this document	Annex 20070601a

Title	Changing the working environment of mobile workers by wearable computing.
Abstract	
Author(s) name and institution	Michael Boronowsky, Otthein Herzog, Peter Knackfuß, Michael Lawo
Date of publication	4.-6.6.2007
Event where the publication has been presented	In Proceedings ICE 2007 in Sophia Antipolis
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070604

Title	Gestures are Strings: Efficient Online Gesture Spotting and Classification using String Matching
Abstract	

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Author(s) name and institution	Thomas Stiefmeier, Daniel Roggen, Gerhard Tröster
Date of publication	June 11-13, 2007
Event where the publication has been presented	BodyNets 2007, Florence, Italy
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070611

Title	Simulation and Modelling of Wireless Sensor Networks
Abstract	
Author(s) name and institution	A. Timm-Giel, M. Becker, B.-L. Wenning, C. Görg, C. Lynch, D. Pesch
Date of publication	June 24th, 2007
Event where the publication has been presented	CRUISE/e-SENSE Workshop at VTC Dublin 2007
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070624

Title	The WUI-Toolkit: A Model-driven UI Development Framework for Wearable User Interfaces.
Abstract	
Author(s) name and institution	Hendrik Witt, Tom Nicolai, Holger Kenn
Date of publication	29th June, 2007
Event where the publication has been presented	7th IEEE International Workshop on Smart Appliances and Wearable Computing (IWSAWC), Toronto, Canada
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070607

Title	Experimenting wearable solutions for workers' training in Manufacturing
Abstract	
Author(s) name and institution	Iñaki Mautua, Miren Unceta, Miguel Angel Pérez, (Fundación Tekniker, Spain)
Date of publication	July 2007
Event where the publication has been presented	12th International Conference on Human-Computer Interaction, Beijing
Link to the web site(s) where the publication is downloadable/purchasable	http://www.hcii2007.org/

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Link to the publication itself, as Annex of this document	Annex 20070701
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Title	Authentic User Tests in Industrial Wearable Computing Applications
Abstract	
Author(s) name and institution	Michael Lawo, Hendrik Witt, Otthein Herzog
Date of publication	22-27th July, 2007
Event where the publication has been presented	12th International Conference on Human Computer Interaction (HCI), Beijing, China
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070722
Title	An Industrial Case Study on Wearable Computing Applications.
Abstract	
Author(s) name and institution	Michael Lawo, Otthein Herzog, Hendrik Witt
Date of publication	9-12th September, 2007
Event where the publication has been presented	9th ACM International Conference on Human Computer Interaction with Mobile Devices and Services (MobileHCI), Singapore
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20070909

Title	Evaluation of Five Interruption Methods for Speech Interaction in Wearable Computing Dual-Task Environments
Abstract	
Author(s) name and institution	Hendrik Witt
Date of publication	October 11-13th, 2007
Event where the publication has been presented	11th IEEE International Symposium on Wearable Computers (ISWC), Boston, MA, USA
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Annex 20071011

Title	Wearable technology as key enabling technology for user empowerment
Abstract	
Author(s) name and institution	Iñaki Maurtua (Fundación Tekniker, Spain)
Date of publication	October 2007
Event where the publication has	9th European Conference for the Advancement of Assistive Tech-

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been presented	nology, San Sebastian
Link to the web site(s) where the publication is downloadable/purchasable	http://www.fatronik.com/aaate2007/english/index.php/
Link to the publication itself, as Annex of this document	Annex 20071001

Title	Domain Expert vs. Layman: Exploring the Effect of Subject Selection in User Studies for Industrial Wearable Applications.
Abstract	
Author(s) name and institution	Hendrik Witt, Ernesto Morales Kluge
Date of publication	<i>Submitted for publication</i>
Event where the publication has been presented	
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Current Submission 1

Title	Studying Input Device Performance: An End-User driven Experiment in wearIT@work.
Abstract	
Author(s) name and institution	Hendrik Witt, Ernesto Morales Kluge
Date of publication	<i>Submitted for publication</i>
Event where the publication has been presented	
Link to the web site(s) where the publication is downloadable/purchasable	
Link to the publication itself, as Annex of this document	Current Submission 2

3 Annexes

The Annexes are collected into the specific folder.