



## LIAISON-ISHTAR WORKSHOP 28-29 SEPT 2006, ATHENS

Time	What	Who	Parallel Session
08:30 - 09:00	Registration	LIAISON & ISHTAR	
09:00 - 09:10	Welcome by LIAISON & ISHTAR PO	Remi Challamel (Alcatel Alenia Space) & Boris Grabner (Telecom Austria)	
09:10 - 09:20	Welcome Speech	Lazaros Merakos (University of Athens)	
09:20 - 09:40	Keynote Address - Location-Based-Services research and the EU research framework programmes (FP6-FP7) The European Commission in its latest framework programme (Framework Programme 6, 2002-2006) funded research related to Location Based Services with more than 38 million euros corresponding to a total of more than 65 million euros cost. The results of this research are paving the way to a thriving industrial sector and increase the European competitiveness of the companies involved. At the same time, it is trying to combine LBS technology with regulatory issues in order to achieve better services for the citizen like in the case of the implementation of the Pan-European eCall service. The presentation will describe some of those research efforts of FP6 and will provide a very first draft of the next Framework Programme FP7.	European Commission Officers (Georgios Tselentis/Elina Holmberg)	
09:40 - 09:50	Keynote Address Introduction to the technology innovation activities of the Italian National Fire Corps as well as to the CNVVF R&D activities, through several past and ongoing R&D project in which CNVVF has been/is involved to.	Antonio Gambardella (CNVVF - Corpo Nazionale dei Vigili del Fuoco - part of Italian Ministry of Interior)	
09:50 - 10:00	Keynote Address In a time of strict cost control, after a short introduction of AMA, the results of the LIAISON project are mapped against the objectives of efficiency and effectiveness of the waste collection process assigned from the TMT (Top Management Team) to the line managers.	Eugenio Orlandi (AMA executive)	
10:00 - 10:15	Film of LIAISON Visual demonstration of the LIAISON project; its objectives, operational environment and achievements.		
10:15 - 10:45	Networking Coffee Break		
Time	What	Who	Parallel Session
10:45 - 11:05	Galileo Perspective in LBS	Nicolas de Ledinghen (Alcatel Alenia Space)	
11:05 - 11:25	Paving the way to Galileo: Telespazio's R&D approach on applications This speech presents the state of the art on satellite communications from the perspective of one of the leading companies worldwide. Telespazio is the Finmeccanica Group company leader in satellite based applications and services in the fields of Communication, Satellite Navigation & Infomobility, Television, Satellite Monitoring & Control, Earth Observation. Nowadays Telespazio joins European programs EGNOS/ESTB and Galileo, in cooperation with ESA and GJU, either as operator and service provider, and for R&D activities with the active participation to EGNOS and GALILEO Programmes. The Telespazio R&D department has defined several R&D themes for applications of satellite navigation: Mobility Management & logistics, Advanced Navigation Systems and Solutions for Positioning, Positioning Support for other services, GMES/security.	Guglielmo Mazzacano (Telespazio)	
11:25 - 12:15	Plenary Demo Live demonstration of the LIAISON solution providing Location based services to working environments. The demonstration considers the Waste Collection Management scenario with two mobile workers in a waste collection car and one administrative operator. The demonstration shall take place at the immediate surroundings of the workshop place: all operations shall be managed from within the presentation room, from where all operational activities outside the room shall be monitored and visualised.	Nuno Ramos (Edisoft), Moderator: Olivier Guilbert, Yves Bardout (Alcatel Alenia Space)	
12:15 - 13:45	Networking Lunch Break		

Time	What	Who	Parallel Session
<b>Session 1: LBS market and Success stories</b>			<b>Press Conference</b>
13:45 - 14:15	Mobile LBS Market This presentation focuses on the LBS market trends underlying the technology enablers and the positioning techniques roadmap. The reasons that caused the low penetration of LBS during the past years are highlighted and the strong drivers that are expected to push the LBS market in the near future are analyzed revealing the challenges and prospects for this emerging market segment.	C. Desiniotis (Vodafone Greece), Jean-François Gaillet (NAVTEQ)	
14:15 - 14:45	Wayfinder's LBS success story Wayfinders view of what is needed for the LBS market to take off, to reach the true mass-market. What is key in this market, how do Wayfinder see the future, how have we papered for it and what is our experience as a leading LBS company.	Magnus Nilsson (Wayfinder Systems AB)	
14:45 - 15:15	Introducing A-GPS to Your Current Business Model The actual presentation provides an overview of the status of LBS in Southern Korea from an operators perspective, especially taking the launch of A-GPS into account. Starting with the technical aspects of launching Location Based Services in the late 90s, the derived LBS portfolio will be presented accompanied by relevant business figures. Possible answers to the complex environment necessary for launching LBS will be given.	Kihak Shim (SK Telecom)	
15:15 - 15:45	Networking Coffee Break		<b>Demo Session</b>
Time	What	Who	Parallel Session
<b>Session 2: Aspect for Bringing LBS to the Market</b>			
15:45 - 16:15	Business Models and Social Legal aspects of LBS This presentation provides some suggestions for LBS Business Models, explains the various socio-economic factors that influence the penetration of LBS in society and identifies the ethical issues that have arisen with the emergence of LBS. The presentation also introduces the idea of a European LBS forum.	Effie Makri (Teletel)	
16:15 - 16:45	LIAISON Exploitation plan The presentation discusses the plan for exploitation of the LIAISON results and achievements. In that scope, the exploitable results and the partner roles are identified. Some business models and their applications in the indoor/outdoor case are presented.	Manca Marco (Telespazio)	
16:45 - 17:30	Discussion & Wrap Up of Day 1	Remi Challamel (Alcatel Alenia Space) & Boris Grabner (Telecom Austria)	
18:00 - 20:00	Aperitif & Buffet		
Time	What	Who	Parallel Session
<b>Session 3: ISHTAR &amp; LIAISON Results</b>			
09:00 - 09:45	R&D Results of LIAISON This presentation discusses the advanced LBS R&D activities on application, services, and underlying location technologies in the scope of LIAISON and presents the LIAISON results on WIFI, GNSS, MEMS, Bluetooth and UWB, as well as their hybridization with A-GNSS to improve performance features but also on 3D-4D Modelling Services, Site customised mapping, Route Guidance, User Profiling & Customisation, Customised Billing and other.	Marc Ciurana (Universitat Politècnica de Catalunya), Albert Dasilva (Geoconcept)	
09:45 - 10:30	LBS R&D findings and recommendations for FP7 Specific LBS research issues were identified and investigated like e.g. Interoperability, Mobile Devices, Customer Usability, Personalisation, Security & Privacy, Content Availability & Quality, Content Adaptation and Continuous location provision. The presentation contains of an in depth analysis as well as recommendations on open research issues.	BorisGrabner (Telecom Austria)	
10:30 - 11:00	Networking Coffee Break		

Time	What	Who	Parallel Session
<b>Session 4a: Current R&amp;D Status from ongoing Projects</b>			
11:00 - 11:30	LBS Applications & Services to support security management in humanitarian relief The IP LIMES intends to define and develop some prototype location-based information services, based on the integration of different satellite technologies to support security management at EU and global level. The thematic/policy areas of interest it researches include issues like e.g. the surveillance of the EU borders, the transport of sensitive cargos, the organization and distribution of humanitarian aid & reconstruction.	Giovanni Cannizzaro (Telespazio)	
11:30 - 12:00	The LIAISON Taxi on Demand application Taxi usage can be improved for drivers, dispatchers and users by providing them with applications and services that enable automated building of relationships based on location and destination. Typical applications include automated taxi booking based on the geographic proximity between user and taxi driver, and the creation of ad-hoc groups of taxi users who are geographically close to each other and whose planned trips are similar enough to share a taxi. Key factor for the success of these applications is the respect of the privacy of both taxi drivers and customers. The LIAISON Taxi on Demand provides a privacy-centered, location-based automated taxi booking, dispatching, and (voluntarily) monitoring solution featuring a number of advanced functionalities for taxi drivers, dispatchers and users, including location-based ad-hoc grouping & dispatching, multi-lingual presentation & request transcription, elevated 2D graphics, route navigation/guidance with traffic hints, customized charging & billing, automated emergency alert, and voice/data messages/Images exchange.	Stelios C. A. Thomopoulos (NCSR Demokritos)	
12:00 - 12:30	The AGILE project AGILE (application of Galileo in the LBS environment) is a LBS IP project targeting mass market LBS. It contributes to the successful take-off of Galileo based LBS applications, addressing and mitigating all enabling elements (institutional and technological), and paving the way for medium-term, business-effective LBS applications that maximise the benefits derived from EGNOS and Galileo. The Agile project is managed by the Galileo Joint Undertaking (GJU) through EU FP6 funds.	Laurent Claverotte (Alcatel Alenia Space)	
12:30 - 13:00	Simulation Analysis on the Efficiency of STAMP Method Presentation of the technique STAMP developed in the scope of the IST project MOTIVE. STAMP is a positioning method that relies on the exploitation of historical location related measurements captured and stored by mobile terminals. Simulation analysis for the CGI++ positioning technique reveals its efficiency. The application of STAMP in CGI++ requires only minor software updates on the terminal and network side, thus reducing the deployment time.	C. Laoudias (University of Cyprus)	
13:00 - 14:30	Networking Lunch Break		
Time	What	Who	Parallel Session
<b>Session 4b: Current R&amp;D Status from ongoing Projects</b>			
14:30 - 15:00	EUROPCOM – Emergency Services Location Service using UltraWideBand Radio In emergency situations, particularly within large buildings, safety and co-ordination of operation is hampered by lack of knowledge of the whereabouts of emergency personnel. The IST project Europcom investigates and demonstrates the use of UltraWideBand (UWB) radio technology to allow the precise location of personnel to be displayed in a control vehicle and simultaneously improve communications reliability. This presentation outlines the project status, and describes the performance aims and the demonstrator system.	Dave Harmer (THALES)	
15:00 - 15:30	Positioning in WearIT@Work The WearIT@Work project aims to show that wearable computers are a viable technology concept for workers of the future. Context awareness is one of the key features of wearables and context includes location. In this presentation, we first give an overview of the WearIT@Work project aims and describe the four scenarios and their positioning requirements. We then describe how these principally local and indoor positioning requirements could be satisfied with beacon-, RF- and motion-based technologies or combinations thereof via sensor fusion.	Stephane Beauregard (TZI)	
15:30 - 16:00	Are LBS R&D results meeting LBS market expectations? This presentation presents the most up to date R&D results, and compares them to the performances and features requested by the most popular LBS applications.	Hannu Hakala (VTT)	
16:00 - 16:30	PYTHIA: Automated Taxi Fleet Management System PYTHIA is an automated taxi fleet management system. It represents a sophisticated telematics system for taxis, which is being under continuous development since its original inception back in 2004. The system is a combination of a GIS system, a GPRS based communication system, and an ISDN/VoIP telephony centre. It has been in full operation at a fleet of 35 taxis in Heraklion, Crete.	Emmanuel Dialynas (PALMERA Ltd)	
16:30	Conclusion & End of Workshop	Yves Capelle (Alcatel Alenia Space) & BorisGrabner (Telecom Austria)	