



Identifying ITS Opportunities for the HA ITS Research Newsletter: July 2009

■ ITS RADAR INTERNATIONAL PROJECT

This project is providing intelligence for the Highways Agency on ITS developments in Europe and around the world. It is carried out by TRL and AECOM on behalf of the HA. The project summarises key information for decision makers and practitioners on activities related to Intelligent Transport Systems (ITS). The project covers specific areas of key interest to the HA.

Regular newsletters are being produced, covering information which is in the public domain. For more information about the project and the services provided, see the web site: www.itsradarinternational.info. To contact us and let us know what you would like this project to deliver please email us at: ITSRadarInternational@trl.co.uk

■ ABOUT ITS RESEARCH

The research projects covered in the European Research newsletters are mainly those which receive funding from the European Commission, through programmes such as the Seventh Framework Programme, EasyWay (implementing ITS on the Trans-European Network) and the e-Safety initiative. Updates on European ITS research projects aim to inform the Highways Agency about project progress and notify when significant milestones and deliverables are achieved. News of newly launched and forthcoming ITS projects are reported to keep the HA up to date with the latest research being carried out in Europe.

■ MEETINGS

16th ITS World Congress Stockholm 2009

Source: [ITS World Congress](#)

The preliminary programme for the congress 'ITS in Daily Life' has been published. The congress will take place on 21 – 25 September 2009. It will focus on exploring how ITS can improve everyday mobility, the benefits of ITS, how ITS addresses societal challenges and the environment and how to accelerate ITS deployment and investment in ITS infrastructure.

The preliminary programme is now available at:
<http://www.itsworldcongress.com/pdf/StockholmFinalPP.pdf>

HA recommended to attend

Key words: Environment, Safety, Traffic management

'Sharing the Road' – International Road Federation world road meeting in 2010

Source: [IRF](#)

The 16th International Road Federation (IRF) World Road Meeting will be held in Lisbon over 25 to 28 May 2010, and will be attended by major international players from the road sector.

The aim of the 16th IRF World Road Meeting will be to provide a forum for debates, discussions and proposals leading to further improvement in the industry.

Of particular interest to ITS professionals will be the "Innovation in road safety" topic. Information will be provided on the latest technology in signage and ITS as well as EGNOS and Galileo developments.

HA recommended to consider attending

Keywords: Galileo, Safety, Traffic information

■ CALLS FOR PROPOSALS

No new calls for proposals

■ HOT TOPICS

myCar platform to provide real-time traffic and location based services for smartphone users

Source: [Telematics update](#)

UIE Automotive have recently integrated the INRIX traffic services with its myCar platform in order to be able to provide real-time traffic and location based services to smartphone users.

The platform will enable drivers to have a better idea of the current condition of traffic ahead and will provide information on any incidents or road works that could affect their journey.

"INRIX proved to be best-in-class for providing real-time and predictive traffic data that enables UIE Automotive to deliver rich, location-based services to the connected owner," said Stephen Fishburn, general manager of UIE Automotive.

Keywords: Geographic information, In-vehicle systems. Traffic information

New multi-standard System on Chip for wireless communication

Source: [Telematics update](#)

A new multi-standard System on Chip (SoC) has been developed that is optimised for multi-standard wireless transceivers specific for automotive applications.

The system manufacturer - Reicom is an Italian engineering company specialising in microelectronic systems for telecommunications and advanced embedded systems. It is expected that this new SoC will provide the benefits of Wi-Fi and DSRC in a broadband radio module. The system will also be open to the Wireless Sensor Networks (WSN) devices, communicating via Bluetooth to the GSM/GPRS/UMTS world.

It is hoped that this new system will lead to more Vehicle-to-Vehicle (V2V) and Vehicle-to-Infrastructure (V2I) systems being developed and further increase their market potential.

Keywords: Communications, Cooperative vehicle systems, In-vehicle systems

Almost half of new cars will have embedded telematics by 2014

Source: [Telematics update](#)

According to ABI's research, global penetration of embedded telematics in new cars will rise to 12% in 2010 and then reach 43% by 2014. The research shows that manufacturers' continued efforts in enhancing current telematic services and launching new ones will continue to drive take-up rates.

Safety and security features such as emergency calling (eCall), breakdown assistance (bCall) and remote diagnostics remain the most popular, but connected infotainment such as off-board navigation, online local search, concierge services, and Internet access offered by OEMs such as BMW are enjoying increasing interest.

ABI Research expects that by offering multiple safety, cost and entertainment benefits to different stakeholders such as governments, car manufacturers, car dealers and end-users, consumer telematics will become a standard automotive feature in developed regions by 2015. However for this evolution to continue, various barriers will need to be overcome, such as high costs and long development cycles.

Keywords: Communications, Emergency, Geographic information, In-vehicle systems, Safety, Traffic information

New GPS based routing system to assist trucks carrying dangerous goods

Source: [Roadtraffic-technology.com](#)

Researchers at the Informatics and Telematics Institute of the Centre for Research and Technology Hellas (CERTH) in Greece have designed a new system based on GPS that will use a range of information to determine the safest route for dangerous goods vehicles while minimising costs and journey times.

The real-time weather and traffic data from the transport authority, along with information on road infrastructure and populated areas, will guide drivers to follow the safest route. Transport company operators and traffic authorities can monitor a truck's position by installing a GPRS connection to a PDA in the driver's cab.

ITS Radar International will monitor developments

Keywords: Freight, Galileo, Geographic information, Safety, Traffic information, Traffic management

■ PROJECTS

No new projects

■ RECENT PUBLICATIONS

No new recent publications

■ GLOSSARY

CERTH	Centre for Research and Technology Hellas in Greece
DSRC	Dedicated Short Range Communications
GPRS	General Packet Radio Service
GSM	Global System for Mobile communication
IRF	International Road Federation
ISA	Intelligent Speed Adaptation
ITS	Intelligent Transportation systems
OEM	Original Equipment Manufacturer
PDA	Personal Digital Assistant
POI	Point of Interest
SoC	System on Chip
TfL	Transport for London
UMTS	Universal Mobile Telecommunication System
V2V	Vehicle to Vehicle communication
V2I	Vehicle to Infrastructure Communication
Wi-Fi™	Trademark of the Wi-Fi alliance that represents equipment certified for interoperability for different wireless devices
WSN	Wireless Sensor Networks