

CARE

Coordinating the Antenna Research in Europe

CARE Dissemination and Impact

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CARE WP3 - Workshops and other events

In WP3, three CARE workshop will be organised (in 2010, 2011 and 2012) to distribute antenna research information and present the latest R&D results achieved by the CARE secondment. These workshops will be joined with the major conference in Europe on antennas: the European Conference on Antenna&Propagation (EuCAP), see www.EuCAP2011.org.



EuCAP2006



EuCAP2007



EuCAP2009



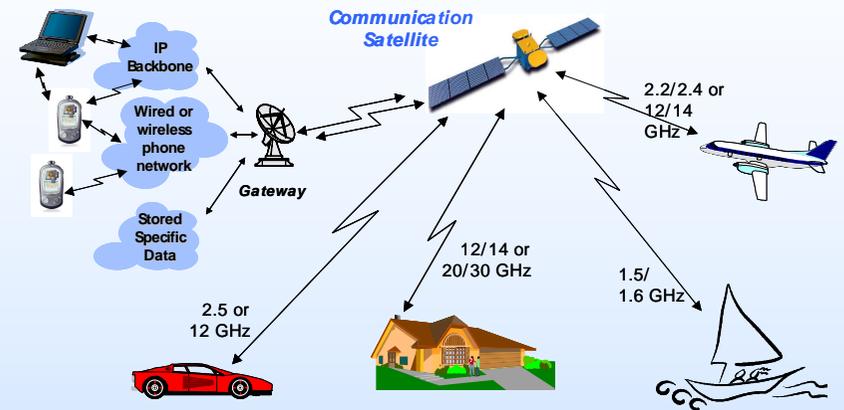
The Antennas VCE portal will host the CARE website, where the project will be presented on the web towards the scientific community and the public.



The screenshot shows the Antennas VCE website interface. The header includes the 'ANTENNAS VCE Virtual Center of Excellence' logo and a 'Supported by EurAAP' badge. Navigation tabs for 'News', 'Events', 'Links', and 'Contact us' are present. The main content area is divided into several sections: a left sidebar with 'Home', 'About EurAAP', 'EurAAP Overview', 'EurAAP Membership', and 'EurAAP Registration'; a central 'ANTENNAS VIRTUAL CENTRE OF EXCELLENCE' section with a satellite image and descriptive text; a 'LATEST NEWS' section with three entries dated 21/07/2010, 27/03/2010, and 09/03/2010; and a right sidebar with 'Focus On' featuring logos for OBRE, ARTIC, and EDX, and 'Open Positions' for the European School of Antennas. A login form is located in the bottom left of the main content area. The footer contains the copyright notice '© 2010 EurAAP™ - Antennas VCE. All rights reserved.' and the European Union flag.

CARE is reachable at www.antennasvce.org

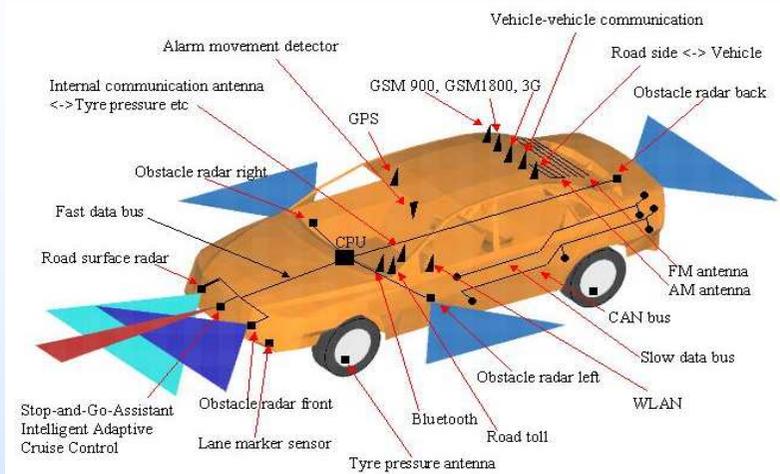
In satellite communication there is a strong need to reconfigure Ku-band coverages, EIRP and polarisation in orbit. Conventional technologies are too expensive and heavy and new, flexible but simple and lightweight technologies are needed.



Satellite communication systems

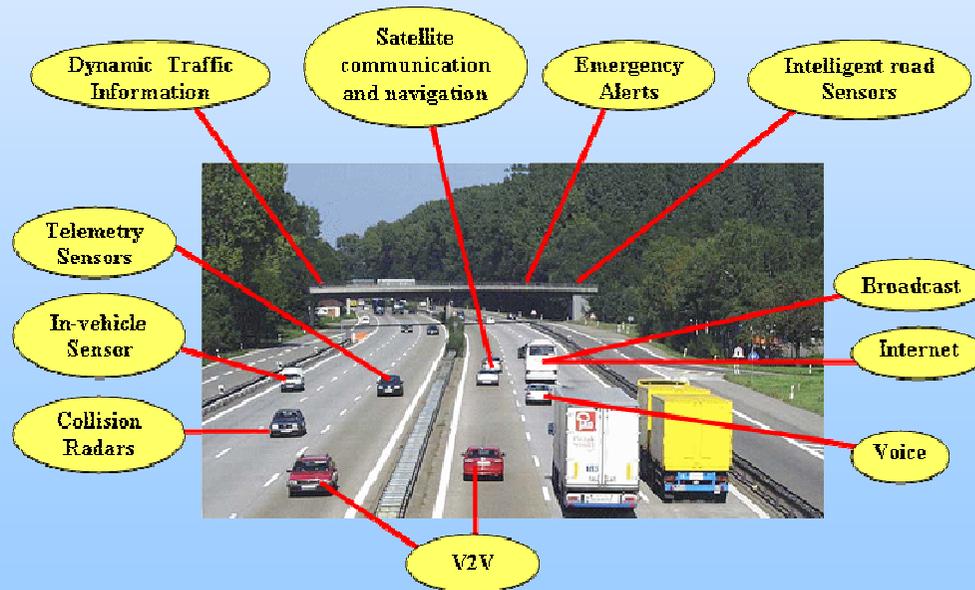


Wireless communications based on RFID and Smart Tags are expected to improve the quality of the manufacturing processes by tracing the assembling and delivery during the entire product lifecycle.

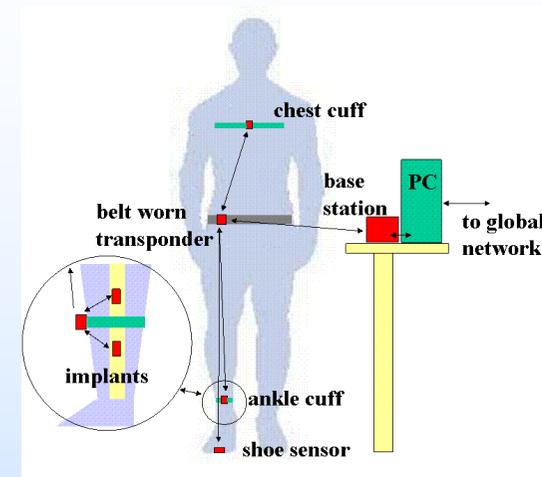


Advanced antenna technologies need to be faced in order to satisfy novel requirements in the sensors expected in the Intelligent Car Initiative

Complex antenna subsystems are expected to link the future transport infrastructure, for improved safety, higher transport system efficiency, reliable information to drivers, etc.



Wireless sensors can be used to measure critical parameters like heart rate, oxygen saturation, arterial blood pressure, electrocardiogram (ECG), breath rate, skin temperature, respiration and glucose or patient position and activity.



Body centric communications supporting medical systems.



A key application is the tracing of the animals by wireless sensors. Studies about migration paths and other behaviour are strongly supported by data transmitted by wireless sensors carried by moving animals.