Cooperative Intersection Safety

From 2008-06-01 to 2011-05-31, closed project

Objective

Today, most so called 'black spots' have been eliminated from the road networks. However, intersections can still be regarded as black spots. Depending on the region and country, from 30 to 60% of all injury accidents and up to one third of the fatalities are intersection related. This is due mainly to the fact that accident scenarios at intersections are among the most complex ones, since different categories of road user interact in these limited areas with crossing trajectories.

The INTERSAFE-2 project aims to develop and demonstrate a Cooperative Intersection Safety System (CISS) that is able to significantly reduce injury and fatal accidents at intersections. The novel CISS combines warning and intervention functions demonstrated on three vehicles: two passenger cars and one heavy goods vehicle. Furthermore, a simulator is used for additional R&D. These functions are based on novel cooperative scenario interpretation and risk assessment algorithms.

As a result, the deployment of the INTERSAFE-2 system could provide a positive safety impact of 80% with respect to intersection related accidents with injuries and fatalities. Thus a total safety benefit of up to 40% of all injury accidents and up to 20% of all fatalities in Europe is possible.

The utilization of V2X communication for CISS at a small number of equipped intersections would boost the overall market penetration of communication in vehicles, since the benefit for those who buy first could be experienced at every equipped intersection.

Related information

Romanian researchers stay home to take part in EU programmes
Coordinator

SICK AG
ERWIN SICK STRASSE 1
79183 WALDKIRCH
Germany
See on map

Activity type: Other

Administrative contact: Kay Fuerstenberg
Tel.: +49 40 611680210
Fax: +49 40 611680202
Contact the organisation

Participants

VOLKSWAGEN AG
BERLINER RING 2
38440 WOLFSBURG
Germany
See on map

Activity type: Other

Administrative contact: Marian Andrzej Obojski
Tel.: +49 5361 9 3172
Fax: +49 5361 9 57 3
Contact the organisation

SWARCO TRAFFIC SYSTEMS GMBH
KELTERSTRASSE 67
72669 UNTERENSINGEN
Germany

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Administrative contact: Jürgen Weingart
Tel.: +49 7022 6025 2
Fax: +49 7022 6025 2
Contact the organisation
**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

**Administrative contact:** Bernd Roessler
Tel.: +49 40 298 676 46
Fax: +49 40 298 676 10

Contact the organisation

---

**Activity type:** Other

**Administrative contact:** Rosemarie Kratzmeir
Tel.: +49 89 382 6639
Fax: +49 89 382 6639

Contact the organisation

---

**Activity type:** Higher or Secondary Education Establishments

**Administrative contact:** Harald Goertz
Tel.: +49 241 8025620
Fax: +49 241 802214

Contact the organisation

---

**Activity type:** Higher or Secondary Education Establishments

**Administrative contact:** Katri Kurvinen
Tel.: +358 20 722 330
Fax: +358 20 722 336

Contact the organisation
INSTITUT NATIONAL DE RECHERCHE EN INFORMATIQUE ET AUTOMATIQUE
DOMAINE DE VOLUCEAU ROCQUENCOURT
78153 LE CHESNAY CEDEX
France
EU contribution: EUR 316 750

Activity type: Research Organisations
Administrative contact: Sandrine Lassout
Tel.: +33 1 39 63 53
Fax: +33 1 39 63 50
Contact the organisation

UNIVERSITATEA TEHNICA CLUJ-NAPOCA
STR MEMORANDUMULUI 28
400114 CLUJ NAPOCA
Romania
EU contribution: EUR 212 698

Activity type: Higher or Secondary Education Establishments
Administrative contact: Sergiu Nedevschi
Tel.: +40264401219
Fax: +40264594835
Contact the organisation

VOLVO TECHNOLOGY AB
GOTAVERKSGATAN 10
405 08 GOTEBORG
Sweden
EU contribution: EUR 456 100

Activity type: Other
Administrative contact: Kjell Berg
Tel.: +46 31 3225402
Fax: +46 31 666450
Contact the organisation

TRW LIMITED
STRATFORD ROAD
B90 4AX SOLIHULL
United Kingdom
EU contribution: EUR 281 587

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
Administrative contact: Chris Benson
Tel.: +44 121 627 353
Fax: +44 121 627 424
Contact the organisation
NEC EUROPE LTD
WEST END ROAD ATHENE ODYSSEY BUSINESS PARK SOUTH RUISLIP
HA4 6QE LONDON
United Kingdom
EU contribution: EUR 210 719

Activity type: Other
Administrative contact: Silke Lampson
Tel.: +49 6221 4342 1
Fax: +49 6221 4342 1
Contact the organisation

UNIVERSITE JOSEPH FOURIER GRENOBLE 1
Avenue Centrale, Domaine Universitaire 621
38041 GRENOBLE
France
EU contribution: EUR 0

Activity type: Higher or Secondary Education Establishments
Contact the organisation

Subjects
Coordination and Cooperation - Electronics and Microelectronics - Information Processing and Information Systems - Telecommunications

Last updated on 2017-04-12
Retrieved on 2019-07-07

© European Union, 2019