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Short CONTENT OF LECTURES AND CV OF SPEAKERS AND AFFILIATIONS

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ITS functions and their potential consequences on safety

This presentation aims to introduce the general principles of ITS functions in transport in relation to road safety. It will develop and overview of what types of functions can be included in the broad designation of « ITS », including functions in public transport or on motorway such as VMS, without too much detail but in such a way that relationships between implementation of ITS in transport and consequences on road safety can be established. It will focus in more detail on the safety issues raised by the implementation of some ITS functions in the vehicle such as functions related or not related to the driving task, good design / poor design consequences for the same function, cooperation between driver and system for assistance system, risk homeostasis and appropriation for assistance functions, ergonomic approach based upon user needs and requirements; inputs for systems design and safety evaluation. The current European position concerning this issue in relation with the publication of the European Statement of Principles will be briefly presented and broad outlines the ITS future functions perspectives will be touched on.

Annie Pauzié is Research Director at INRETS/LESCOT. She has a PhD in Neurosciences and Ergonomics from the University of Sciences in Toulouse, France. She did a post doc at the University of California, Los Angeles from 1985 to 1987. Since 1988, she is a researcher at INRETS/LESCOT on ergonomics of telematic systems design in transport, with a focus on elderly users' needs and requirements. She has been involved in several European projects in the framework of the program DRIVE, such as STAMMI - Definition of Standards for the In-Vehicle Man-Machine Interface, 1989-1991; HARDIE - Harmonisation of ATT Roadside and Driver Information in Europe, 1992-1994; AIDE - Adaptative Integrated System Vehicle Environment, 2004-2007. Some European projects were also devoted to the ITS design from infrastructure such as TROPIC, 1997-1999, and ITS available in public transport for multimodal traveller information such as Infopolis 1 & 2, 1995-2000. She represents the French Ministry of Transport at the International Harmonised Research Activities - ITS working group. She has been involved as the French expert in the working group eSafety initiative on HMI, DG InfSo.

INRETS, France

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