

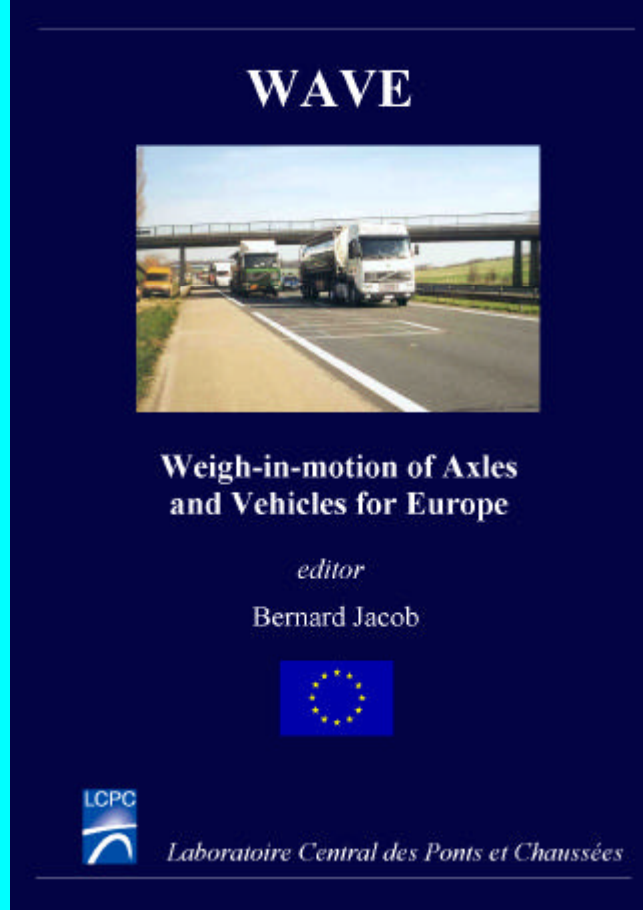
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Laboratoire Central
Des Ponts et Chaussées

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- **Weigh-in-motion of Axles and Vehicles for Europe**

Final report of the WAVE project

The project WAVE was a transport research and development project in the 4th Framework Programme of the European Commission, on weighing in motion of road vehicles (1996-99). Thanks to fruitful co-operation among the partners, and the complementary contributions of the various participating organisations, significant scientific and technical progress has been made and very many results established.

New theories, models, algorithms, and procedures have been generated, prototypes built, and field tests performed. New prospects have been opened up in weighing by multiple sensors and by instrumented bridges; an innovative technology has been developed using optical fibres and optronics, and there have been significant advances in the calibration of the systems and in the quality and management of weigh-in-motion data. Experiments on road fitted with sensors and on instrumented bridges have yielded precious qualitative information on the durability, performance, and precision of many types of weigh-in-motion systems and precision of many types of weigh-in-motion systems, especially in cold climates.

This volume contains the general report of the project, while six Working Package reports were published apart by different partners of the project, as appendices. This report gives the scientific and technical results of the project, and presents the advances and fallout in weigh-in-motion of road vehicles.

105 pages

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