

Contribution to Thermal Mapping and Forecasting of Road-Network Condition

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Abstract

New freezing hazard equipment for the registration of road condition and weather detection has been developed and will be tested on selected main road sections during the winter of 1995-96.

The equipment has been developed so that it can easily be installed in any car. It measures dewpoint and air temperature at different levels and the road surface temperature in different lanes. Furthermore the equipment will be used to perform maintenance checks on existing ice warning stations.

By means of the current road-weather model some experiments on forecasting of road conditions, not only on selected points, but on whole road sections will be carried out.

At the conference the new equipment and a number of preliminary results of the project will be presented.