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Intelligent Bridges—Adaptive Systems for Information and Holistic Evaluation in Real Time

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The German highway network has to face new challenges in the near future, e.g. increasing traffic density and loads, climate change effects and new quality requirements regarding sustainability. It is necessary to come up with foresighted concepts in the present to be prepared for these challenges. Therefore it is important to adapt and enhance innovative attempts, which take changing impacts into account. One goal of these efforts is the development of adaptive systems for the provision of information and a holistic evaluation in real time.

The paper describes the recent research and developments on a system for information and holistic evaluation in real time, taking into account sensor networks, evaluation procedures and their implementation in existing maintenance and inspection strategies.

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Ключевые слова:

Содержание

Abstract

Introduction

Intelligent Bridge – an adaptive system for information and holistic evaluation in real time

Conclusion and outlook