

## Prof. Hermann Knoflacher

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### Speaker Qualification

Researcher and practitioner since 40 years  
Professor at the Technical University in Vienna since 1975  
Guest professor in the United States, Japan, India, China, European countries  
More than 500 publications  
Recently speaker and guest professor in Japan at Nissan, University of Tokyo,  
University of Kyoto, Japan for Sustainability, etc.  
Speaker in international bodies  
Chairman of international research groups  
Chairman of the Austrian Kundenforum of the Österreichischen Bundesbahnen  
and chairman of the Fahrgastbeirat Wiener Linien. For both bodies  
Infoconnectivity is a key issue. Many of his proposals have been introduced in  
practice and have successfully been implemented.

## Infoconnectivity – the value of certainty and uncertainty for interconnected transport networks

### Abstract

Human behaviour and transport is dependent on travel time estimation and not on measured travel times. Travel time estimation is dependent on human body energy consumption for different activities, which has been studied by the author over the last 30 years. Uncertainty can enhance time perception up to a factor of 5 compared to measured time, dependent on certainty and uncertainty of the information system.

Quantitative analysis based on the theoretical background has proved that information improvements at interchanges of transport systems can have a value, which is equal or even bigger than time saving by expensive huge infrastructure projects.

The paper will present empirical results from studies over the last 40 years and the theoretical background.