

Craig Nelson

Steer Davies Gleave, London, United Kingdom



Speaker Qualifications

Dr. Craig Nelson has a Masters degree in Geography and a PhD in transport policy. He has worked in transport technology for the past six years, during which he has developed a number of journey planning and passenger information concepts for the web.

He currently leads on ITS at Steer Davies Gleave and has international experience with the delivery of technology-based projects.

Craig regularly presents at Real Time Information Group (RTIG) workshops and runs internal ITS seminars at Steer Davies Gleave.

Dynamic Journey Planning Through the Use of Real Time ITS Data

Users of journey planning tools expect sophisticated results. The rise in popularity of the smart phone, and its feature rich functionality, means that users now expect better transport information with emphasis on real time updates according to their mode and location. As well as demonstrating live applications of web and mobile based journey planning and traveller information, this presentation will focus on the potential for dynamic incorporating available multi-modal real time data from a variety of Intelligent Transport Systems sources. These sources include bus and rail RTPI, road journey time data, crowd sourcing, the impact of road works, weather and special events, all of which will have an impact on planned journeys, or journeys that are currently being made. Emphasis will be placed on making this information available when and where people need it the most.

The presentation will provide an overview of a number of web and mobile phone based journey planning projects currently being developed by Steer Davies Gleave with an emphasis on usability and design. It will also look further ahead and discuss the potential for using real time data for dynamic journey planning, including crowd sourcing information. Many of our clients are local authorities who have invested in ITS equipment and are looking to put a 'public face' on otherwise hidden technologies. By using web-technologies we have assisted them in delivering cutting edge user-focused travel portal and journey planning products, many of which use freely available ITS data in standardised formats.