

# International SIIV Workshop

## Human Centered Infrastructure Design

Naples, October 1-2, 2009

Piazzale Vincenzo Tecchio, 80

Faculty of Engineering, University of Naples Federico II, Room S. Bobbio

### October 1

8:30 AM - 10:30 AM

*Welcome and Introductions*

**Guido Trombetti**, University of Naples Federico II, Chancellor

**Edoardo Cosenza**, University of Naples Federico II, Faculty of Engineering Dean

### Infrastructure and Network Design

**Renato Lamberti**, Chairman, UniNa Transportation Engineering Department Director, SIIV President

*Opening Lecture*

**Ennio Cascetta**, University of Naples Federico II, Regional Minister for Transport

*Models for land-use and transport interactions*

10:30 AM - 11:00 AM, coffee break

11:00 AM - 1:00 PM

**Basil Psarianos**, National Technical University of Athens, Greece

*Self Explaining Roads*

**Mario Virano**, TAV, Italy

*Environmental Highway Design*

**Frank Saccomanno**, University of Waterloo, Canada

*System Dynamics Application to Road Crashes*

1:00 PM - 2:00 PM, Lunch

### Visual Impact Assessment for Highway Project

2:00 PM - 3:30 PM

**Scott Bradley**, Chairman, MN DOT, USA, TRB Landscape and Environmental Design Committee Chair

*Opening Lecture*

**Gerald Wilde**, Department of Psychology Queen's University Kingston, Ontario, Canada

*Validity and reliability of descriptor variables used in scenic highway analysis*

3:30 AM - 4:00 PM, coffee break

4:00 PM - 5:30 PM

**Jon Bryan Burley**, Michigan State University, USA

*Inverse-Box Fractal Methods to Reconstruct Natural Landscapes with Transportation Applications*

**Giorgio Chiarello**, Landscape Architect, Italy, TRB Landscape and Environmental Design Committee

*European Visual Impact Assessment for Highway Project*

**Micheal T. Long**, Oregon DOT, USA, TRB Low Volume Roads Committee Chair

*Landscape Elements in Roadside Design for Aesthetics, Safety, Water Quality and Soil Protection*

8:00 PM, Gala dinner

### October 2

### Safety Criteria in Highway Design

8:30 AM - 10:30 AM

**Ezra Hauer, Chairman**, University of Toronto, Canada

*Opening Lecture*

**David Noyce**, University of Wisconsin, Traffic Operation & Safety Laboratory, USA

*The Use of Full-Scale Driving Simulation in Support of Geometric Roadway Design*

10:30 AM - 11:00 AM, coffee break

11:00 AM - 1:00 PM

**Richard Van der Horst**, TNO Human factors, The Netherlands

*The Use of Full-Scale Driving Simulation in Support of Highway Safety Analysis*

**Bhagwant Persaud**, Ryerson University, Canada

*Recent Research on the Safety Implications of Highway Design Decisions*

1:00 PM - 2:00 PM, Lunch

### Driving Simulators in the Infrastructure Design

2:00 PM - 3:15 PM

**Andrew Parkes**, Chairman, TRL, Transport Research Laboratory, UK

*Opening Lecture*

**Vincenzo Torrieri**, TEST, Technology, Environment, Safety, Transport, Italy

*The VERA Driving Simulator*

3:15 AM - 3:45 PM, coffee break

3:45 PM - 5:00 PM

**Josè Luis Diez**, CTAG, Centro Tecnológico de Automoción de Galicia, Spain

*The CTAG's Driving Simulator*

**Thomas Granda**, FHWA Office of Safety, Research and Development, USA

*The Use of a Driving Simulator for Highway Design and Safety*

5:00 PM - 6:00 PM

**Renato Lamberti**, UniNa Transportation Engineering Department Director, SIIV President

*Summary*

**Altero Matteoli**, Italian Minister for Infrastructures and Transport

Societa Italiana Infrastrutture Viarie

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