



## **SUMMER SCHOOL SIIV 2012 ROAD SAFETY MANAGEMENT**

### **Theoretical principles and practical application in the framework of the European Directive 2008/96/CE**

SIIV, the Italian association of professors and researchers in the field of transportation engineering, organizes an international Summer School on road network safety management

The topic of the Summer School has a direct reference to the European Directive 2008/96/CE on Road infrastructure safety management with the aim to present the state of the art of research and practical applications in the field of road safety impact assessment for projects (article 3 of EU directive), road safety audits (art. 4) and inspection (art. 6), safety ranking and management (art. 5).

The 2012 SIIV Summer School will be held September 24-28, 2012 at the Galatea Sea Palace, Acitrezza, Catania.

This will be a very complete program with timely and interesting topics. Presentations will be given by international experts from Europe and North America

This summer workshop is an excellent opportunity to meet with the experts in road safety field and to learn about the state of the art and practices being used around the world for network safety management.

All are invited to attend the Summer School, but the number of participants is limited. Acceptance will be on First-come, first-served. The agenda and registration form for this summer school is attached. Make your reservation now.

We look forward to seeing you on September 24.

Maurizio Bocci  
(SIIV President)

Salvatore Cafiso  
(Summer School coordinator)



## SUMMER SCHOOL SIIV 2012 ROAD SAFETY MANAGEMENT

### Theoretical principles and practical application in the framework of the European Directive 2008/96/CE

#### Monday 24 Sept. 2012

##### **Session A - European Directive on road infrastructure safety management**

- 15:00 - 15:30 Welcome and Summer School Presentation (Rector University of Catania, SIIV President)  
15:30 - 16:30 Introduction to European Directive 2008/96/CE (chairs of sessions B, C, D)  
16:30 - 17:00 Coffee break  
17:00 - 18:00 Implementation in the European Countries (representative of EU DG MOVE/Safety)  
18:00 - 18:30 Italian Guidelines (representative of Italian Ministry of Infrastructures and Transports)  
20:00 Dinner

#### Tuesday 25 Sept. 2012

##### **Session B - Road safety impact assessment for infrastructure projects**

- 09:00 - 09:15 Introduction (Chair Session B)  
09:15 - 10:45 Module B1 – Safety Impact Assessment at the Program and System Levels (J. Kononov)  
10:45 - 11:15 Break  
11:15 - 12:45 Module B2 – A systematic approach to road safety impact assessment (R. Elvik)  
12:45 - 14:00 Lunch  
14:00 - 15:00 Module B3: case studies and practical examples (Kononov, Elvik)  
15:00 - 15:30 Discussion  
Afternoon Home Work  
Evening Free time

#### Wednesday 26 Sept. 2012

##### **Session C - Safety ranking and management of the road network in operation**

- 09:00 - 09:15 Introduction (Chair Session C)  
09:15 - 10:45 Module C1 – Network Safety Screening–Basics and North American Perspectives (B. Persaud)  
10:45 - 11:15 Coffee Break  
11:15 - 12:30 Module C2 – Network safety screening and the identification of hazardous road locations – State of the Art and European Practice (R. Elvik)  
12:30 - 14:00 Lunch  
14:00 - 15:30 Module C3 – Evaluation of Safety Effects of Design Decisions and Countermeasures (B. Persaud)  
15:30 - 16:00 Discussion  
Afternoon Home Work  
Evening Free time

#### Thursday 27 Sept. 2012

##### **Session D - Road Safety Audits and Safety Inspections**

- 09:00 - 09:15 Introduction (Chair Session D)  
09:15 - 10:15 Module D1 – Safety Audit and Safety Inspection (H. Cullen)  
10:15 - 11:15 Module D2 – Diagnosis and Site Visit (J. Kononov)  
11:15 - 11:30 Coffee Break  
11:30 - 12:00 Module D3 - Auditors and Inspectors Training – European Harmonization (A. Adesiyun)  
12:00 - 13:30 Module D4 - Case studies and practical examples (H. Cullen)  
13:30 - 14:00 Discussion  
14:00 Lunch  
Afternoon Site visit  
Evening Free time

#### Friday 28 Sept. 2012

- 09:00 - 11:00 Round Table: Road Network Safety Management Practical application and Research needs  
11:00 - 11:30 Coffee Break  
11:30 - 12:30 Student presentations of home works  
12:30 - 13:00 Closing and certificates

## VENUE

Catania - Galatea Sea Palace \*\*\*\*\* (Acitrezza, CT)



## **REGISTRATION FEES**

(Including Hotel accommodation with Breakfast from Monday 9/24 to Friday 9/28, coffee breaks and lunches in the program).

	Before 31/08/2012	After 31/08/2012	
<b>Double room</b> (two registered people using the same room)	€700	€800	
<i>reduced fee</i>	€500	€600	<i>Students, University affiliates</i>
<b>Single room</b>	€800	€900	
<i>reduced fee</i>	€600	€700	<i>Students, University affiliates</i>
<b>Only Course registration</b> without Accommodation, including coffee breaks and lunches in the program	€600	€700	
<i>reduced fee</i>	€400	€500	<i>Students, University affiliates</i>
<b>Accompanying person</b>	€150	€150	(Hotel accommodation with half board from Monday 9/24 to Friday 9/28 in arrangement with a single room full registration)
<b>SIIV registration fee</b>	€50	€50	To be paid by no SIIV members

Extra days in the hotel and special requests can be defined directly with the Galatea Sea Palace.  
Contact people: Dorotea Magri – Tel: +39 095/7116902; Fax: +39 095/277320;  
[info@galateaseapalace.it](mailto:info@galateaseapalace.it)

### **Registration deadline and Cancellation Policy**

The number of participants is limited to 25. Acceptance will be on First-come, first-served.

Cancellation before 31/08/2012: the penalty fee will be €50

Cancellation after 31/08/2012: the penalty fee will be €300

**Language:** the official language is English

## TEACHING STAFF



**ADEWOLE ADESIYUN**, is the Deputy Secretary General of FEHRL. Prior to his appointment he was a Senior Researcher at the Road and Bridge Research Institute in Poland.

He was the Head of the Bridge Section at one of the branch offices of the institute.

He is responsible for the management of FEHRL research and project activities as well as monitoring the financial aspects of such projects. He provides support to FEHRL member institutes wishing to participate in cooperative research.

**Adewole Adesiyun**

Deputy Secretary General  
at Forum of European  
National Highway  
Research Laboratories  
(FEHRL).  
Bruxelles, Belgium



**HARRY CULLEN** has been with the National Roads Authority in Ireland since its inception in 1994, working initially as an Engineering Inspector in the Programme Division and laterally as Senior Project Manager for Road Safety.

Prior to joining the NRA he spent 10 years working in road design in Local Authorities in Ireland, as well as 10 years working for Consultants, both in Ireland and abroad.

Harry Cullen is a qualified road safety auditor. He is currently the Chairman of the CEDR Technical Group on Road Safety, Chairman of the Policy Advisory Panel to the Road Safety Authority in Ireland, and is a member of the working group that wrote the standards, guidelines and regulations for the implementation of the EU Road Infrastructure Safety Management Directive in Ireland.

**Harry Cullen**

Senior Project Manager,  
Road Safety  
National Roads Authority  
Dublin, Ireland



**RUNE ELVIK** is a political scientist from the University of Oslo. He attained the degree of doctor of political science in 1993 and the degree of doctor of philosophy in 1999. In 2007, he attained the ph D degree at Aalborg University in Denmark.

His main areas of research include evaluation of the effects of road safety measures, research synthesis by means of meta-analysis, and cost-benefit analysis.

Rune Elvik has taken part in several international research projects organised by the European Commission, the OECD, the European Transport Safety Council and the US Transportation Research Board. During the years 1997-2004 he was associate editor of Accident Analysis and Prevention. From 2005, he has been one of the editors-in-chief of the journal. From 1999, Elvik has been a member the committee for Safety data, analysis and evaluation of the TRB. Elvik is professor of road safety studies at Aalborg university in Denmark. From 2009, he is professor of road safety studies at Lund university in Sweden. He has authored or co-authored a substantial number of peer-reviewed papers.

**Rune Elvik**

Chief Research Officer  
Professor of road safety  
studies at Lund university,  
Sweden



**Jake Kononov**

Associate Professor  
Graduate School of Civil  
Engineering at the  
University of Colorado.  
USA

**JAKE KONONOV**, Ph.D., P.E. is the president of Road Safety Consultancy DiExSys LLC based in Denver, Colorado, USA.

He has 30 years of experience in all aspects of highway and traffic engineering. He spent most of his career working for the Colorado Department of Transportation. Jake chairs Transportation Research Board (TRB) Committee on Safety Management and is a member of the TRB Committee on Highway Safety Manual (Safety Performance).

Jake Kononov is an author of numerous research papers on road safety published by the TRB, Swedish National Road and Transport Institute (VTI), German Road Research Institute (BAST), Italian Society of Highway Infrastructure (SIIIV) and Public Works Magazine.

He is an Associate Professor adjunct at the Graduate School of Civil Engineering at the University of Colorado in Boulder where he teaches undergraduate and graduate courses in transportation engineering and PE preparatory seminars.



**Bhagwant Persaud**

Professor of Civil  
Engineering at Ryerson  
University.  
Toronto, Canada

**BHAGWANT PERSAUD**, a professor of Civil Engineering at Ryerson University, has become well recognized, in Canada, the United States, and around the world, as an expert in the area of statistical methods in collision data analysis.

Dr. Persaud has been, and is currently involved in several safety related research projects for the Ministry of Transportation, Ontario, the Transportation Research Board (TRB), the US Federal Highway Administration (FHWA), the Insurance Institute for Highway Safety, Transport Canada, and the Transportation Association of Canada.

He has authored or co-authored a substantial number of peer-reviewed papers, three of which won awards for the Transportation Research Board's Annual Meeting outstanding paper in the field of operation, safety and maintenance of transportation facilities.

In Canada, he is a member of the Transportation Association of Canada's Standing Committees on Road Safety and Geometric Design.





