



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

- 14:30 – 15:00 Registration
15:00 - 15:30 Welcome and Opening
15:30 – 15:45 Summer School Presentation (S. Cafiso)
15:45 – 16:45 Introduction to European Directive 2008/96/CE (P. Colonna, A. Marchionna)
16:45 – 17:15 Coffee break
17:15 – 18:15 Implementation in the European Countries (S. Campagnolo)
18:15 – 18:45 Italian Guidelines
20:00 Dinner

Tuesday 25 Sept. 2012

Session B - Road safety impact assessment for infrastructure projects

- 09:00 - 09:15 Introduction (P. Colonna)
09:15 - 10:45 Modulo B1 – Safety Impact Assessment at the Program and System Levels (J. Kononov)
10:45 – 11:15 Break
11:15 – 12:45 Modulo B2 – A systematic approach to road safety impact assessment (R. Elvik)
12:45 – 14:00 Lunch
14:00 – 15:00 Modulo 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 (A. Marchionna)
09:15 - 10:45 Modulo C1 – Network Safety Screening – Basics and North American Perspectives (B. Persaud)
10:45 – 11:15 Coffee Break
11:15 – 12:30 Modulo 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 Modulo 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 (L. Domenichini)
09:15 - 10:15 Modulo D1 – Safety Audit and Safety Inspection (H. Cullen)
10:15 – 11:15 Modulo D2 – Diagnosis and Site Visit (J. Kononov)
11:15 – 11:30 Coffee Break
11:30 – 12:00 Auditors and Inspectors Training – European Harmonization (A. Adesiyun)
12:00 – 13:30 Modulo D3 - 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

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,
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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 on Highway Infrastructure (SIIV) 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.