

# Annual Bridge Conference 2010

1-2 September 2010, Oslo, Norway



## Bridges in Service

Arranged by the Norwegian group of NVF Technical Committee, Bridges



### Nordic Road Association (NVF)

The Nordic Road Association ([www.nvfnorden.org](http://www.nvfnorden.org)) aims at developing the road and road transport sectors in Northern Europe through professional cooperation between experts from all Nordic Countries. NVF was founded 1935 and has reached well known and recognized status among professionals on its field.

### Bridges Technical Committee

Bridges Technical Committee handles bridge engineering tasks under the auspices of NVF. The tasks are mostly specific to Nordic and Northern European existing and new bridge stock. Among other activities, the Committee arranges annual conferences on various technical matters. The theme of the year 2010 conference is "Bridges in Service".

**Goal of the conference** is to get insight into today's specialist demands of management, maintenance, repair and rehabilitation of existing and new bridges.

First day of the conference: Wednesday the 1<sup>st</sup>, September 2010

Venue: Bjørnvika konferansesenter, Oslo Atrium, Christian Frederiks plass 6, 0051 Oslo

Home-page: [www.bjorvikakonferansesenter.no](http://www.bjorvikakonferansesenter.no)

Conference banquet is arranged at Ekebergrestauranten, Oslo.

Home-page: [www.ekebergrestauranten.com](http://www.ekebergrestauranten.com)

Second day of the conference: Thursday the 2<sup>nd</sup>, September 2010

Technical tour in bridge projects on E6 motorway.

Conference language is English. Some presentations may run in Scandinavian languages.

Conference fees

Fee (NOK)	Early registration due 31 Jul 2010	Regular registration due 1 Aug 2010
Conference	1200	1600
Banquet	1000	1000
Technical tour	600	600

Conference web-site: [www.nvfnorden.org/pages/996](http://www.nvfnorden.org/pages/996)

Conference registration web site: <https://www.registerforevent.net/Register/Pages/Intro.aspx>



## Bridges in Service

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### Program Wednesday 1, September 2010

09:00	Registration	
10:00	Introduction	<b>Risto Kiviluoma</b> NVF
<b>Part 1 Historical bridges</b>		
10:20	Protection of historical bridges in Norway	<b>Liv Marit Rue</b> NPRA, Norway
10:50	Historical bridges	<b>Guðrún Þóra Garðarsdóttir</b> ICERA, Island
11:10	Historical bridges: Gamla Årstabron	<b>Kurt Palmqvist</b> SPRA, Sweden
11:30	<i>Coffee break</i>	
<b>Part 2 Bridges in service</b>		
12:00	Bridge management systems	<b>Lennart Lindblad</b> SPRA, Sweden
12:20	Bridges – State of the art	nn/Baltic
12:40	Special inspections of bridges	<b>Carstein Henriksen</b> DPRA, Denmark
13:00	<i>Lunch</i>	
14:00	Probabilistic methods for materials/load resistance	<b>Ib Enevoldsen</b> Rambøll, Denmark
14:20	Use of Probabilistic methods	<b>Rolf M. Larssen</b> Aas Jakobsen, Norway
14:40	Reinforcement of bridges	<b>Bjørn Taljsten</b> SPRA, Sweden
15:00	Bridge parapets	<b>Otto Kleppe</b> NPRA, Norway
15:20	Results from field test of concrete coatings	<b>Eva Rodum</b> NPRA, Norway
15:40	<i>Coffee break</i>	
<b>Part 3 New bridges</b>		
16:10	Experiences from bridges in service used to design new bridges	<b>Knut Grefstad</b> NPRA, Norway
16:40	ETSI (Life Cycle Optimisation project) – Final report	<b>Matti Piispanen</b> , Finland <b>Otto Kleppe</b> , Norway
17:10	Finnish life-cycle-cost design guideline	<b>Risto Kiviluoma</b> WSP, Finland
17:30	Challenges in bridge designs and maintenance for future problems	<b>Jens Sandager Jensen</b> Cowi, Denmark
17:50	Conclusions and closing of seminar	<b>Jørn Arve Hasselø</b> NVF
19:30	<i>Conference banquet</i>	

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### Program Thursday 2, September 2010

#### Technical tour in bridge projects on E6 motorway

08:30 Departure from hotel

E6 Kolomoen

- new bridge
- bridge parapets in Corten-steel
- new equipment (LED-lights, angled attachments of signposts)

13:00 *Lunch*

14:00 E6 Minnesund

Minnesund bridge

- widening of carriageway from 2 to 4 lanes

Langset bridge

- rehabilitation of old bridge

Julsrud bridge

- widening of carriageway from 3 to 4 lanes

16:00 *To Gardemoen Airport*