

Strait Crossings 2013

Sixth Symposium on Strait Crossings



Extreme Crossings and New Technologies



16 – 19 June 2013

Radisson Blu Royal Hotel, Bryggen
Bergen, Norway



Statens vegvesen

Norwegian Public Roads Administration



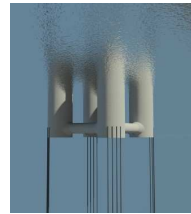
Background

Straits and sounds, as well as inlets and fjords, are barriers for road and rail transport. These barriers can be overcome using fixed links or ferries. For crossings served by ferries there is often a strong wish for a fixed link replacement. However, more efficient and environment-friendly ferries are being developed in parallel with new and ingenious designs for fixed links.

Strait crossings greatly influence transportation costs. These crossings also impact social development, the environment and total energy consumption, as well as traffic safety issues. This symposium intends to cover all these aspects. The on-going project “Coastal Highway Route E39” along the Norwegian west coast illustrates the challenges involved. For further information on the E39 please visit: www.vegvesen.no/Vegprosjekter/ferjefriE39/English/Reports

Symposium themes

The symposium will focus on connections across wide and deep straits, constructed and operated under extreme conditions with high waves and strong winds and currents.



Bridges:

Conventional bridges (long, slender suspension or cable stayed bridges, etc.)
Floating bridges
Combined structures

Planning, design, construction, energy consumption, new materials and technology, ultra deep foundations, risk analysis, operation, maintenance

Tunnels:

Submerged floating tunnels
Immersed tunnels
Sub-sea rock tunnels

Planning, design, construction, energy consumption, instrumentation, fire protection, traffic control, escape routes, risk analysis, combined tunnels, operation, maintenance

Ferries:

Ferry types
Operation (gas, electric, hybrid)
Terminals

Planning, design, construction, propulsion, energy consumption, pollution, regularity, comfort, safety, risk analysis

Regional development:

Improved access

Industrial activity, access to markets, employment opportunities, local administration, education and health services, cultural institutions, tourism

Participants:

Professionals with interests, skills and experience in the planning and execution of structures and solutions for strait crossings using new technology and unconventional materials. The sessions will focus on alternative solutions in order to identify new and environment-friendly ways to bridge extreme crossings. New ideas and concepts will be presented and analysed in workshops chaired by invited experts.

International Advisory Committee:

Håvard Østlid, Norway, (Chair)	Youshi Hong, China	Satoshi Kashima, Japan
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Preliminary programme:

Sunday 16 June 2013	Monday 17 June 2013	Tuesday 18 June 2013	Wednesday 19 June 2013
	Technical programme	Technical programme	Technical programme
	Lunch	Lunch	Lunch
	Technical programme	Technical programme	Technical visits
Registration and reception	Social event	Banquet	

*The technical programme will include workshops

Key dates

- Abstract submission: 1 November 2012
- Abstract acceptance: 15 January 2013
- Submission of papers: 15 March 2013
- Paper acceptance: 30 April 2013
- Completion of symposium proceedings: 31 May 2013

Previous symposiums

Stavanger, Norway 1986
Trondheim, Norway 1990
Ålesund, Norway 1994

Bergen, Norway 2001
Trondheim, Norway 2009

2013 symposium

The symposium will be held at the Radisson Blu Royal Hotel, Bryggen, Bergen N-5835, Norway. For more information please visit:

<http://www.radissonblu.no/royalhotell-bergen>

How to get to Bergen

By plane to Bergen Airport Flesland or by train, bus, car or ferry connections. For more information please visit:

<http://www.visitbergen.com/en/>

Website

Updated information will be provided on the symposium website:

www.SC2013.no

Organising bodies

The Norwegian Public Roads Administration (NPRA)

Secretariat: Tekna –

The Norwegian Society of Graduate Technical and Scientific Professionals



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If you have questions concerning this symposium, please use the email address below.

Secretariat:

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