

4<sup>th</sup> International Conference

on  
**Geofoam Blocks in Construction Applications**



6.- 8. June 2011

Thon Hotel Arena, Lillestrøm,  
Norway



**Statens vegvesen**

The Norwegian Public Roads Administration



## Conference aim

### **Geofoam blocks as a lightweight fill material**

Since 1972 blocks of Expanded Polystyrene (EPS) have been used as a lightweight fill material for road construction purposes in Norway. Later a variety of applications have been added for Civil Engineering purposes in general and there is a marked increase in the use of such applications on a global scale. Research activities are carried out in several countries for further enhancement of material knowledge and application methods.

The aim of the conference is to gather both users and non-users of Geofoam blocks in order to exchange knowledge about the method through presentation of research results, new applications and case histories.

## Conference themes

### ***Present use of Geofoam:***

Reports by members of the International Organizing Committee on known applications, type of projects and volumes.

### ***Expanded Polystyrene:***

Chemical composition and production process  
Index properties  
Product control  
Durability

### ***Material properties and modelling:***

Model studies  
Dynamic properties  
Fatigue

### ***Design specifications:***

International standards  
National specifications  
Seismic design

### ***Construction applications:***

Roads, Railroads and Airports  
Buildings and Industrial plants  
Landscaping  
Settlement mitigation  
Load reduction on buried culverts  
Failures

### ***New concepts and special topics:***

Innovative use of Geofoam blocks  
Avalanche protection  
Disaster prevention – climate change  
Re-use/recycling of Geofoam blocks



## International Organizing Committee:

Mr. Roald Aabøe, Norwegian Public Roads Administration (Chair)  
Mr. Hideki Tsukamoto, CPC, Japan  
Professor Dawit Negussey, Geofam Research Center, USA  
Dr. Milan Duškov, InfraDelft, The Netherlands

## National Organizing Committee:

Jan Vaslestad: Norwegian Public Roads Administration (Chair)  
Anne-Kjersti Frydendal: Norwegian Industries, EPS Group  
Gunvor Baardvik, NGI – Norwegian Geotechnical Institute  
Torgeir Haugen, NCC  
Arnfinn Emdal, NTNU – Norwegian University of Science and Technology  
Arnstein Watn, SINTEF  
Geir Refsdal: Norwegian Public Roads Administration  
Kaare Flaate: Private Consultant  
Tor Erik Frydenlund: Geo Con (Secretary)

## Programme:

Sunday 5 <sup>th</sup> of June 2011	Monday 6 <sup>th</sup> of June 2011	Tuesday 7 <sup>th</sup> of June 2011	Wednesday 8 <sup>th</sup> of June 2011
	Technical programme	Technical programme	Technical visits
	Lunch	Lunch	
	Technical programme	Technical programme	
Registration and reception	Social event	Banquet	

## Key dates:

- Abstract submission: 31<sup>st</sup> of December 2010
- Abstract acceptance: 15<sup>th</sup> of January 2011
- Preparation and submission of papers/PowerPoint presentations: 31<sup>st</sup> of March 2011
- Paper/PowerPoint acceptance: 30<sup>th</sup> of April 2011
- Completion of Conference proceedings: 31<sup>st</sup> of May 2011

## Previous conferences:

Oslo, Norway 1985  
Tokyo, Japan 1996  
Salt Lake City, Utah, USA 2001

## Where?

The conference will be held at Thon Hotel Arena, Nesgata 1, 2004 Lillestrøm.

For more information please see <http://www.thonhotels.no/arena>

## How to reach Lillestrøm

Airport train from Oslo Airport Gardermoen or Oslo City to Lillestrøm, (12 minutes).

See [www.nsb.no](http://www.nsb.no) for more information.

## Web site:

Updated information will be provided on the conference web site:  
[www.EPS2011.no](http://www.EPS2011.no)

## Organizing bodies:

The Norwegian Public Roads Administration



**Statens vegvesen**

Secretariat: Tekna –

The Norwegian Society of Chartered Technical and Scientific Professionals



## Secretariat:

Siri Engen  
Tekna – Teknisk-naturvitenskapelig forening

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