



GENERAL INFORMATION



SCIENTIFIC & INTERNATIONAL ADVISORY COMMITTEE



IN HONOR OF PROFESSOR G. H. TATTERSALL



ADDRESS FOR CORRESPONDENCE



THE CULTURAL NIGHT 22ND OF AUGUST



BLUE LAGOON



SOCIAL EVENTS

RHEO

ICELAND 2009



RILEM INTERNATIONAL SYMPOSIUM ON RHEOLOGY OF CEMENT SUSPENSION SUCH AS FRESH CONCRETE

19 - 21 August 2009 in Reykjavik, Iceland

Rheo Courses 17 - 18 August 2009



Innovation Center Iceland



REYKJAVÍK UNIVERSITY HÁSKÓLINN Í REYKJAVÍK

TWO CONFERENCES AT THE SAME TIME



Two conferences will be held at the conference venue at the same time. The Rilem International Symposium on Rheology of Cement Suspension such as Fresh Concrete (19th - 21st of August 2009) and the 18th Nordic Rheology Conference of Suspension Rheology (19th - 20th of August 2009). By combining the two conferences the participant will have a unique opportunity to explore different specific subjects since the Rilem participants will have access to the NRC conference and vice versa.

Both conferences will share the invited lectures during the opening lectures.

Prior to the conference, two courses will be held at ICI Rheo-center. The ICI Rheo Course (17th - 18th of August 2009) and the NRS Rheology Course (18th of August). See the conference schedule for the timing of each course.

Further information about the Nordic Rheology Conference can be found in the NRS brochure and also at www.rheo.is.

SCIENTIFIC COMMITTEE

To be announced.

HONORARY ADVISORY COMMITTEE

Phil F.G. Banfill, UK
Surendra P. Shah, USA
Kamal Khayat, Canada
François de Larrard, FRANCE

ORGANIZING COMMITTEE

Snaebjorn Kristjansson, Iceland
Bjorn Hjartarson, Iceland
Stefan Kubens, Iceland
Florian Mueller, Iceland
Sonja Oesterheld, Iceland
Sunna O. Wallevik, Iceland
Helgi Hauksson, Iceland
Rosa Signy Gísladóttir, Iceland

PROF. G. H. TATTERSALL

This conference is devoted to the memory of Prof. G. H. Tattersall. He was a physicist who, among other achievements, broke new ground in the science of rheology of fresh concrete. He wrote three books on this subject and published numerous papers where he, for instance, introduced the concept of structural breakdown of cement based materials already in 1956. Also, he pioneered in the application of science of rheology in the seventies by development of the Two-Point instrument and introducing the g - and h -values. Tattersall was an Honorary Reader at the University of Sheffield. He passed away in 2004.



SYMPOSIUM SECRETARIAT

Congress Reykjavik
Engjateigur 5
IS-105 Reykjavik
ICELAND

Tel.: +354 585 3900
Fax: +354 585 3901
Email: lara@congress.is
Website: www.congress.is

TECHNICAL SECRETARIAT

Rheo ICELAND 2009
ICI Rheo-center
Keldnaholt
IS-112 Reykjavik
ICELAND

Tel.: +354 522 9000
Fax: + 354 522 9311
Email: info@rheo.is
Website: www.rheo.is

THE CULTURAL NIGHT 22ND OF AUGUST

Menningarnótt or "cultural night" is a yearly event held in Reykjavik, the capital of Iceland, to celebrate the anniversary of Reykjavik. It has become one of the largest festivals in Iceland each year.

It is estimated that over 100.000 people attend the concerts, art exhibitions and other events available during the Cultural Night in central Reykjavik. This is more than 30% of Iceland's population.

The day starts early in the morning with the yearly Reykjavik marathon which is then followed by events located at the main stage in the city centre and the main shopping street in Iceland. There are over 100 different restaurants, bars and clubs in this area.

The highlight of the festival is often an outside concert on the main stage by 3-4 of the most popular musicians in Iceland followed by a spectacular fireworks show around midnight.

CONFERENCE DINNER

The conference dinner will be held at the Blue Lagoon, one of Iceland's most unique and popular attraction, located about 45 minutes from Reykjavik.

The Blue Lagoon is extremely popular for bathing and relaxing and also for its geothermal seawater, known for its positive effects on the skin. The mineral contents of the seawater have been examined by experts, who have declared the combination excellent for bathing, curing and relaxation.

For more information about the Blue Lagoon please visit www.bluelagoon.is.

CITY HALL RECEPTION

A reception will be arranged on Wednesday 19th afternoon in the Reykjavik City Hall which is located in the city center of Reykjavik. The city hall houses the offices of the mayor of Reykjavik, a café and a large 3D map of Iceland which is very interesting to study prior to or after touring Iceland.

PROF. WALLEVIK'S WHISKY COLLECTION

The conference will end with a technical visit to The Innovation Center Iceland where the guest will attend a lab demonstration and finally have a chance to taste Prof. Wallevik's famous whisky collection.





INTRODUCTION



CONFERENCE THEMES



ABOUT THE ORGANIZER



GENERAL INFORMATION



INVITED LECTURES



CONFERENCE SCHEDULE KEY DATES & PLAN EXHIBITION



CONFERENCE FEE AND REGISTRATION



SPECIAL OFFERS FOR STUDENTS

RHEOLOGY OF FRESH CONCRETE

Dear colleagues, we are contacting you on behalf of the organizing committee of the Rilem International Symposium on Rheology of Cement Suspensions such as fresh Concrete and the 18th Nordic Rheology Conference on suspension rheology.

The development of rheology of cement based materials has been substantial during the last decade, as the building industry has welcomed it to be a long needed solution for different conditions. There are always new dispersing additives coming on the market, or for that reason different types of materials, like shrinkage reducing admixture (SRA).

Stabilizers is a good example for the need of rheology as they have even been named viscosity enhancing agents, but some even reduce viscosity (or at least the plastic viscosity) as others might have no significant influence or even as expected, increase the viscosity. The Kyoto protocol might greatly influence the quality of cement in nearest future, in particular regarding the cement admixture interaction problems.

By combining the two conferences the participants will have unique opportunity to explore different specific subjects since the Rilem participants will have access to the NRC conference and vice versa. Both conferences will share the invited lectures during the opening lectures.

THEMES

The symposium welcome papers on research and development issue. Papers referring to experience from application are especially encouraged. Central themes are:

- General rheology and it's connection to cement suspensions
- Measurement technique and rheology
- Models and simulation of flow
- Mix design of concrete
- Production technology
- Application and case study
- Effect of various admixture
- Cement admixture interaction
- Supplementary cementitious materials
- High performance concrete
- Self-compacting concrete (SCC)
- General suspension rheology
- Microstructure modelling
- Material modelling
- Partical packing

THE ORGANIZER

The symposium is arranged by the Innovation Center Iceland (ICI Rheocenter). The conference chairman is Olafur H. Wallevik.

Rheo ICELAND 2009
ICI Rheocenter
IS-112 Keldnaholt, ICELAND
Tel.:+354 522 9000
Fax: + 354 522 9311
Email: info@rheo.is
Website: www.rheo.is



Olafur H. Wallevik

ICI RHEOCENTER

ICI Rheocenter is a center of excellence in cement based materials. Our focus is on rheology, cement admixture interactions and special concrete such as high performance concrete (Self-Compacting Concrete, SCC, HSC, Ultra High Performance Concrete and Fibre Reinforced Concrete).

We solve problems for companies all over the world, including:

- Cement producers
- Ready-mix plants
- Admixture producers

If you have a problem, we are there for you.

CONFERENCE VENUE

The conference will be held at Grand Hotel Reykjavik, located close to the city centre. We have reserved rooms at the conference hotel as well as at several other hotels and guesthouses – most within a walking distance from the conference hotel.

TOURS AND FLIGHTS

We refer to the conference website for information on flights to/from Iceland and on tours in Iceland. Please contact the Symposium Secretary for further information.

LANGUAGE

All papers shall be written in English. The oral presentation shall be given in English.

TECHNICAL VISIT

Technical visit will be arranged to construction sites or/and developing laboratory in the greater Reykjavik area.

ABSTRACTS

The conference language is English. Abstracts should be submitted in English and completed according to instructions which are to be found on the conference website: www.rheo.is.

SOME OF THE INVITED & KEYNOTE LECTURES



McKinley MIT, USA



Shah NWU, USA



Khayat Sherbrooke, Ca



de Larrard LCPC, France



Banfill Heriot-Watt, UK



Martys NIST, USA



Khrapko New Zealand



Roussel LCPC, France



J. Wallevik ICI, Iceland

KEY DATES

Submission of abstracts: 15th of April, 2009
Submission of final papers: 1st of May, 2009
Early registration: 1st of May, 2009

PLAN FOR 17th – 21st OF AUGUST 2009

Mon 17/8	Tue 18/8	Wed 19/8	Thu 20/8	Fri 21/8
ICI Rheology Course	ICI Rheology Course	Opening Rilem & NR Conference	Rilem Conference	Rilem Conference
	NRS Rheology Course	Rilem Conference	NR Conference	
		Reception City Hall	Closing NR Conference	Closing Rilem Conference
			Conference dinner Blue Lagoon	ICI lab demo & Wallevik whisky

EXHIBITION

A technical/commercial exhibition will be held during the Symposium. The exhibition area is in the lobby leading to the main conference hall. The rental of 2x2m² floor area is only 1450 EUR (1850 EUR if registered after 1st of May 2009).

For more information contact us at info@rheo.is.

CONFERENCE FEE

	Before 1 st of May	After 1 st of May
NRS Conference Members (2 days)		
NRS Members	360 EUR	400 EUR
Non NRS Members	400 EUR	440 EUR

Rilem Conference (3 days)

Rilem Members	480 EUR	560 EUR
Non Rilem Members	560 EUR	640 EUR

Courses

ICI Rheo Course	145 EUR	145 EUR
NRC Course	40 EUR	40 EUR

Social Events

Conference dinner @ The Blue Lagoon	65 EUR	65 EUR
-------------------------------------	--------	--------

NOTE: Students get 50% discount of above fees excluding the conference dinner.

SPECIAL OFFER FOR STUDENTS

Students will get 50% discount on registration fee but then the conference proceedings are excluded. Lunch and coffee are included.

HALF PRICE FOR STUDENTS ATTENDING THE SCC COURSES

Two courses will be held prior to the symposium. The courses will deal with many aspects of SCC, including raw materials, different types of mix-design, additives, basic and advanced rheology. The courses include laboratory work. Students will get 50% discount off the course fee. The two courses are:
1. ICI Rheo Course on the 17th and 18th of August.
2. NRC Course on the 18th of August.

ABSTRACT FROM STUDENTS

Students are encouraged to contribute to the conference by sending in papers and take part in discussions.

ACCOMODATION FOR STUDENTS

Please book at www.faruglaheimili.is.

This youth hostel is about 7 min walk from the conference venue.