



## INVITATION TO PARTICIPATE

### Final Members Workshop THEMATIC NETWORK ON PERFORMANCE BASED REHABILITATION OF REINFORCED CONCRETE STRUCTURES CON REP NET

24&25 April 2006

Building Research Establishment Ltd  
BRE Watford UK

## OBJECTIVES OF THE WORKSHOP

**On behalf of Thematic Network CON REP NET and BRE we have a pleasure to invite you to the 6th and the final Members Workshop on PERFORMANCE BASED REHABILITATION OF REINFORCED CONCRETE STRUCTURES at the Building Research Establishment Ltd, in Watford near London. Learn about the outcomes you have contributed to and discuss your ideas.**

CON REP NET is a four year project aiming to improve performance of intervention works of reinforced concrete structures. The project has studied durability issues and analysed problems in achieving it through gathering information and case studies throughout European concrete repair history until today. Throughout the project performance issues have been studied looking from different aspects and taken into account viewpoints of different stakeholders of the supply chain. On the basis of gathered and analysed information a proposal for the vision for the use of performance based concepts in future has been developed.

During last years the Network has prepared a range of technical deliverables on past, current and future practices with a valuable contribution of network Members. These reports and other results of the Network are now in their final drafting phase. An object has been that the achieved results could serve as well owners of structures as industrial partners, consultants and researchers. All Members are invited to give their contributions to the event, hear about the final results of the Network and join the discussion on performance concepts and future development needs.

The Workshop is divided into two days. The first day will focus on presentations and discussions on the main results of the project. The first morning session will review results of earlier reports and latest Members Workshop. The second session will focus on introduction of results related to development of performance concepts. During the afternoon sessions members reflections will be given by invited member presentations and the last session of the day is reserved for parallel discussion groups. Your contribution for this will be desired.

The second day is open for Members' presentations covering wider range of concrete repair topics. A special guest from USA will describe current developments in the concrete repair industry in the USA. A representative from the European Commission will be present and speak about the latest news concerning construction sector. Additionally several speakers from South, Middle and Northern Europe will widen the perspective on different concrete repair topics on their special field.

### SPEAKERS

Presentations will be given by members of TN CON REP NET or by invited special guests.

### ATTENDANCE

Open to all Members of Thematic Network CON REP NET. This is your last chance to give your contribution for the project, strengthen cooperation with other members and participate in the planning of future actions.

### PARTICIPATION

Please send your registration by 17<sup>th</sup> April.

### EXHIBITION STANDS

There will be an opportunity to have exhibition stands at the event. Please contact BRE/ Dr Stuart Matthews (matthewsS@bre.co.uk) or Dr John Morlidge (morlidgeJ@bre.co.uk)

### VENUE

The Workshop will take place at Building Research Establishment Ltd, Bucknalls Lane, Garston, Watford, WD25 9XX UK. How to find the venue see attached instructions.

### ACCOMMODATION

See a guide attached.

### DOCUMENTATION

Presentations or papers will be delivered via internet after the Workshop.

**For more information on CON REP NET, please visit <http://projects.bre.co.uk/conreplet>**

# MW6 WORKSHOP SCHEDULE

## DAY 1 Monday 24<sup>th</sup> April 2006

- 09:30-09:45 Registration & Coffee  
09:45-10:00 **Welcome:** *Project Coordinator Stuart Matthews BRE*
- Session 1 CON REP NET Refresher:** *Chair – Carmen Andrade*  
10:00-10:10 **Introduction and summary of the Prague's MW5:** *Stuart Matthews BRE*  
10:10-10:20 **Client aspirations:** *Graham Tilly and Julian de Voy, Gifford&Partners*  
10:20-10:30 **Standards, Best Practice Guidance& Thresholds:** *Josse Jacobs BBRI*
- Session 2 CON REP NET Performance Concepts:** *Chair – Graham Tilly*  
10:30-10:40 **Performance Concepts:** *Carmen Andrade and Isabel Martinez IETcc*  
10:40-10:50 **Industry Response:** *Jean-Philippe Fuzier, Freyssinet Int.*  
10:50-11:00 **D19 "Vision for the use of performance concepts":** *Stuart Matthews BRE*  
11:00-11:10 **PBA from Vision to Practice:** *Minna Sarkkinen CT Group*
- 11:10-11:30 Coffee Break
- 11:30-11:40 **Further research needed:** *John Morlidge BRE*  
11:40-11:50 **CPD&Standards implications:** *Vaclav Vimmr and Tomas Vimmr STU-K*
- Session 3 Members Reflections:** *Chair – Vaclav Vimmr*  
11:50-12:10 **Owners reflections:** *David Sharpe*  
12:10-12:30 **Consultants & Researchers:** *Geir Horrigmoe*  
12:30-12:50 **Material Suppliers and Repair Specialists:** *Guido van der Borgh*  
12:50-13:10 Discussion
- 13:10-14:00 Lunch
- Session 4 Break Out Sessions**  
14:00-14:15 **UEAtc:** *Joe Blaisdale*  
14:15-14:30 **Briefing for Afternoon Sessions:** *Stuart Matthews BRE*  
14:30-15:15 **Workshop 1 – Performance Concepts**  
15:15-15:45 **Report back: Overview from Workshop 1**
- 15:45-16:00 Coffee Break
- 16:00-16:45 **Workshop 2: RTD needs**  
16:45-17:15 **Report back: Overview from Workshop 2**  
17:15-17:30 **Continuation of the network CON REP NET:** *Stuart Matthews BRE*  
17:30 **Close**
- 19:30 Members Dinner: *BRE*

MW1 Brussels 2004



MW2 Brussels 2004



MW3 Prague 2004

## DAY 2 Tuesday 25<sup>th</sup> April 2006

- Session 5 Members Presentations on Concrete Repair Topics**  
09:00-09:10 **Welcome:** *Project Coordinator Dr Stuart Matthews BRE*
- General Topics 1:** *Chair – Stuart Matthews*  
09:10-09:55 **Peter Emmons: Developments of Concrete Repair Industry in the USA**  
09:55-10:15 **Ulrich Schneck: Intelligent Surveys and Appropriate Repairs**  
10:15-10:35 **T.C. Triantafillou and C. G. Papanicolaou: Textile Reinforced Mortars (TRM) versus Fiber Reinforced Polymers (FRP) as Strengthening materials for Concrete Structures**
- 10:35-10:55 Coffee Break
- 10:55-11:30 **Dominique Planchon: EC**  
11:30-12:00 **EOTA ?**  
12:00-12:20 Discussion
- 12:20-13:20 Lunch
- General Topics 2:** *Chair – Minna Sarkkinen*  
13:20-13:30 **Mike Grantham: Concrete Solutions Conference, St-Malo, 27-29 June 2006**  
13:30-13:50 **M. Hassanzadeh and M. Janz: Repair of internally damaged concrete**  
13:50-14:10 **H. Davies: Standardisation issues**  
14:10-14:20 **Guido van der Borgh: Problems with CE-marking of Concrete repair products**  
14:20-14:35 **D. Chamberlain: Proposals for future CONREPNET activities**  
14:35-14:45 Discussion
- 14:45-15:05 Coffee Break
- Bridges & Highways & Tunnels:** *Chair - Graham Tilly*  
15:05-15:25 **Neil Loundon: A clients view of concrete repair – Highways Agency**  
15:25-15:45 **Risto Lehtonen: Bridge Repair by City Kotka**  
15:45-16:05 **Jean-Philippe Fuzier: Repair of Channel Tunnel**  
16:25-16:45 **Paul Lambert:**  
16:45-17:00 **Roundup and Close: BRE**



MW4 Watford 2004



MW5 Prague 2005