

## Tuesday, 3 November 2009

- 09:00 - 10:00 Registration and coffee  
 10:00 - 10:25 **Joost Walraven**, Chairman of the Research School  
*Opening of Symposium and Reflection on the role of the Research School Integral Design of Structures: History, performance and chances.*
- Valorisation of Research: presentation by invited speakers and discussion:  
 10:25 - 10:50 **Peter Franje**, Research manager Bouwend Nederland  
*Research and the Building Industry*
- 10:50 - 11:15 **Rinus Platschorre**, Chairman NVTB, Association of Suppliers  
*Product development in the construction industry: How relevant is research?*
- 11:15 - 11:40 Coffee break  
 11:40 - 12:05 **Joris Houben**, Secretary of Strategy Council, Design and Construction (Regieraad Bouw)  
*The role of research in the evolution of the construction industry*
- 12:05 - 12:30 **Mick Eekhout**, Professor of Product Development, Initiator of 3TU-Speerpunt Bouw  
*On the way to a 3TU Priority Program*
- 12:30 - 13:30 Lunch

### HOOKE SESSION

**Prof.dr.ir. H.J.H. Brouwers**  
**Main Room: Sorbonne 4**

- 13:30 - 14:00 **Eva Lantsoght - TUD**  
*Shear in reinforced concrete slabs*
- 14:00 - 14:30 **Ipek Gursel - TUD**  
*Computational Support for Lifecycle Building Performance Assessment*
- 14:30 - 15:00 **Sadegh Akbarnejad -TUD**  
*Chemical and Mineralogical characterization of Blast Furnace Slag*
- 15:00 - 15:30 Coffee break
- 15:30 - 16:00 **Ariën de Korte - UT**  
*The relation between ultrasonic sound speed and hydration degree of gypsum*
- 16:00 - 16:30 **Mwita Matiko Sabai - TUE**  
*Sustainable innovative construction through smartbuilding of construction waste materials recycling: case of Tanzania*

### GALILEI SESSION

**Prof.dr.ir. I.S. Sariyildiz**  
**Main Room: Sorbonne 4**

- 16:30 - 17:00 **Yuguang Yang - TUD**  
*Shear strength test on old and new concrete beams*
- 17:00 - 19:00 Poster Session and Reception  
 19:30 - 21:00 Dinner  
 21:00 - ..... Free discussion and Bowling

### TRESCA SESSION

**Prof.dr.ir. A.C.J.M. Eekhout**  
**Room: Oxford 16**

- Sonja Fennis - TUD**  
*Ecoconcrete: Optimizing concrete for ecology and economy*
- Michela Turrin - TUD**  
*Integrated Design of Modular Structures. A parametric example*
- Jian Qiu - TUD**  
*Self Healing of Asphalt Mixes*
- Coffee break

### BERNOULLI SESSION

**Ir. J.A. den Uijl**  
**Room: Oxford 16**

- Lex van der Meer - TUE**  
*Prestress loss of high-strength calcium silicate element masonry with thin-layer mortar*
- Mingzhong Zhang - TUD**  
*Microstructure-based modeling for chloride diffusivity of cement-based materials*

- Frank Huijben - TUE**  
*VACUUMATICS: 3D-formwork systems*

### COULOMB SESSION

**Dr.ir. R.M.F. Stouffs**  
**Room: Oxford 18**

- Ayse Nesen Surmeli - TUD**  
*Harmonization of performance evaluation of non load bearing façade element*
- Alberto Lázaro Garcia - TUE**  
*The precipitation of nano-silica for application in building materials*
- Irem Erbas - TUD**  
*Decision Support for Passive House Level Redesign Process*
- Coffee break

### COULOMB SESSION

**dr.ir. P.A. Erkelens**  
**Room: Oxford 18**

- Götz Hüsken - TUE**  
*Earth-Moist concrete-Early-Age Performance and compaction behaviour*
- Qingliang Yu - TUE**  
*Indoor air purification along heterogeneous photocatalytic oxidation*
- Mingliang Li - TUD**  
*New approach for modelling tyre/road noise*



9:00 - 9:30	Registration and coffee
9:30 - 10:00	The value of scientific research: presentation by invited speakers and discussion <b>Rutger van Santen</b> , Former Rector of TU Eindhoven, member KNAW and TWIN <i>Research in design and engineering, seen from an academic point of view</i>
10:00 - 10:30	<b>Karel Luyben</b> , Former Dean Faculty of Applied Sciences TUD, rector designatus of TU Delft <i>From education-driven to research driven technical universities?</i>
10:30 - 11:00	Coffee break
11:00 - 11:30	<b>Taeke de Jong</b> , Professor Technical Ecology and Methodology <i>Scientific Research and its value for society</i>
11:30 - 12:00	<b>Chris Mommers</b> , Deputy Director STW (Dutch Science Foundation) <i>Financing PhD-research by NWO/STW: opportunitis and pitfalls</i>
12:00 - 12:30	<b>Eddy Koenders</b> , Leader STW Perspective Program "Durability" <i>Applying for an STW grant: Learning by doing</i>
12:30 - 13:30	Lunch

## GAUDI SESSION

Ir. J.A. den Uijl

Main Room: Sorbonne 4

13:30 - 14:00	<b>Qi Zhang - TUD</b> <i>Experimental research of heated cement paste</i>
14:00 - 14:30	<b>Gaby Abdalla - TUE</b> <i>Decision-making processes for low-energy districts of mixed tenure</i>
14:30 - 15:00	<b>Anne van de Graaf - TUD</b> <i>Capturing complex non-linear structural response through a series of linear analyses</i>
15:00 - 15:30	<b>Przemyslaw Spiesz - TUE</b> <i>Study on the rapid chloride migration test</i>

## ARCHIMEDES SESSION

Dr. X. Liu, MSc

Room: Oxford 16

13:30 - 14:00	<b>Miruna V.A. Marinescu - TUE</b> <i>Estimation of chloride contents in hardened OPC pastes</i>
14:00 - 14:30	<b>Dennis Schoenmakers - TUE</b> <i>Fracture and failure mechanisms in wood due mechanical connections</i>
14:30 - 15:00	<b>Jian Hou - TUD</b> <i>Numerical simulation on the moisture transport and cement hydration in the interface of concrete repairs</i>
15:00 - 15:30	<b>Gang Liu - TUD</b> <i>Influence of Montmorillonite Nanoclay Filler on the Properties of Bitumen</i>

## MIES VAN DER ROHE SESSION

dr.ir. N. Kringos

Room: Oxford 18

13:30 - 14:00	<b>Yue Xiao - TUD</b> <i>Possible Alternatives to Tan Bearing Antiskid layers</i>
14:00 - 14:30	<b>Dongxing Xuan - TUD</b> <i>Structural performance of cement tras mix granulations</i>
14:30 - 15:00	<b>Stephen Agyefi-Mensah - TUE</b> <i>Lifespan Sustainability of Building Systems for Apartment Houses. A performance-based analysis in the case of Ghana</i>
15:00 - 15:30	<b>Jacob Alkema - UT</b> <i>Integral foamed Concrete</i>

15:30 - 16:00	Coffee break
16:00 - 17:00	Closure & Awards
19:00 - 21:00	Closed session for interested researchers on initiation of new programma



### Note:

TUD : Delft University of Technology  
TUE : Eindhoven University of Technology  
UT : University of Twente