

Thursday 14 April 2005 Programme

8.30-9.00 Registration+Coffee

9.00-9.10 Opening first day

9.10-9.30 Welcome RoyalHaskoning

9.30-10.10

Repeated linear analyses as an alternative to nonlinear analysis

J.G. Rots, TU Delft, Delft, The Netherlands

10.10-10.30

3D non linear numerical modelling of an unreinforced masonry panel

Marina Eusebio and Felicia Venuti, CESI-ISMES Seriate, Italy

10.30-11.00 Coffee Break

11.00-12.00

FE MODEL FOR CONCRETE HALF-SLAB FLOOR SHEAR FAILURE

H. Hofmeyer, M. Verbaten, H. Monster, ABT consulting engineers, The Netherlands

Modelling the thermal expansion of the refractory lining of a RH-degasser taking into consideration the influence of joints

D. Gruber, Universitat Leoben, Austria

DIANA Applications at University of Naples Federico II

G.P. Lignola, A. Prota* and G. Manfredi, University of Naples Federico II, Naples, ITALY

12.00-13.20 Lunch

13.20-15.00

Finite element calculations of brittle joint behaviour in clamped block revetments in the Netherlands

D.J. Peters, RoyalHaskoning, Nijmegen, The Netherlands

Three-dimensional finite element calculations of biaxial hollow slabs

M. Schnellenbach-Held and Dipl.-Ing. M. Aldejohann, Institute of concrete structures, University of Duisburg-Essen, Germany

3D Advance Modeling to Support Design of Concrete Treatment Shaft in the United States

Waseem Dekelbab¹, Ph.D., P.E., Max

Hendriks², Ph.D., Omar Ramadan, P.E.³

1) TNO DIANA North America, 2) TNO DIANA BV, 3) NTH Consultants, Ltd.

Probabilistic analysis of structures sensible to creep, shrinkage and cracking of concrete

C. Sousa and Prof. A. Serra Neves, University of Oporto, Portugal

Reassessment of concrete platforms

K.V. Hoiseth, NTNU, Trondheim, Norway

15.00 Closure first day

15.05 Bustrip to ABT, Velp

15.45 Arrival ABT

16.00-16.45 Lecture Burgers Bush
Drinks, snack

17.00 Bustrip to Burgers Bush,
Arnhem

17.30-19.30 Burgers Bush site

20.00 Dinner Arnhem

22.00 Bustrip
Return to RoyalHaskoning

Friday 15 April 2005 Programme

8.30-9.00 Coffee

9.00 Opening second day

9.01-9.40

Strengthening of concrete structures with Externally Bonded CFRP.

D.A. Hordijk, Adviesbureau ir. J.G. Hageman B.V. and Eindhoven University of Technology, The Netherlands

9.40-10.30

Non-linear analysis of concrete structures with DIANA: examples and possibilities.

M. Pimentel, P. Cachim and J. Figueiras, University of Oporto, Portugal

Structural Fire Safety engineering solutions using computer modelling techniques

Ahmed Allam, Halcrow Group Ltd, United Kingdom

10.30-11.00 Coffee Break

11.00-12.00

DIANA NONLINEAR SIMULATION AND DAMAGE ASSESSMENT OF AN HISTORICAL MASONRY TOWER

A. Carpinteri, S. Invernizzi, G. Lacidogna, Politecnico di Torino, Torino, Italy

Experimental investigations and numerical simulations using DIANA of concrete on the mesoscale

C. Rieger and T. Wilhelm, Darmstadt University of Technology, Darmstadt, Germany

Numerical simulation of a fracture test for refractories

T. Auer, Universitat Leoben, Austria

12.00-13.20 Lunch

13.20-13.40

4D-Analysis of a shield driven tunnel

N. van Empel, NoordZuid Lijn, Amsterdam, The Netherlands

13.40-13.45 Closure speakers part

14.00-15.00 Discussion International Users
Wishlist

15.00-16.00 Open session with
Coffee, Drinks, Questions,
Remarks

16.00 Closure