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### **University of Eindhoven**

Klamer, E., Hordijk, D., De Boer, A. (2004). Peeling-off of externally bonded CFRP studied by FE-analyses. Proceedings of the 5th International PhD Symposium in Civil Engineering, Walraven, Blaauwendraad, Scarpas & Snijder (eds). ISBN 90 5809 678 5809 678 5, Delft, The Netherlands, June 17-19, pp. 1479-1487.

Klamer, E., Hordijk, D., De Boer, A. (2004). Numerical investigation into peeling-off caused at shear cracks of externally bonded CFRP. Proceedings of the First International Conference on Innovative Materials and Technologies for Construction and Restoration, La Tegola & Nanni (eds), ISBN 88 207 3678 0, Lecce, June 6-9, pp. 57-69.

### **TNO - Built Environment and Geosciences, Geological Survey of the Netherlands**

Ton van Overbeek - System approach of structural fire safety, TNO report 2004-CVB-R0378

Bram van Olffen - The behaviour of bored concrete tunnel linings under fire conditions, TNO report 2004-CVB-R0344

Joris Fellinger – Shear and anchorage behaviour of fire exposed hollow core slabs, Delft University Press, Delft, 2004

Joris Fellinger – Repairability of tunnels after a RWS fire curve, 2004-CVB-R0362, Dec 2004, TNO-Research, Delft (Dutch)

O.D. Dijkstra, J. Maljaars, L.H. Lu and A. de Boer, Stress intensity factor and fatigue crack growth for large semi-elliptical cracks and through cracks, Complex system and JCCS fatigue workshop, 23-25 August 2004, DTU, Copenhagen, Denmark

O.D. Dijkstra, J. Maljaars, Fatigue of orthotropic bridge decks; extended evaluation experiment on a flat plate, 2004-BC-R0022/1, TNO-Research, Delft (Dutch)

### **TU-Delft, CITG & Royal Haskoning**

Bianca Derkzen – Structural design of stone deformations of the dike facing, numerical research of the beamtheory of the top layer, Master thesis, 18 June 2004, Delft University of Technology, Delft (Dutch)

## TU-Delft, CITG

Z. Ghuo, L.J. Sluys - Computational modeling of damage in rubber-like materials, 5th International PhD Symposium in Civil Engineering, Walraven, Blaauwendraad, Scarpas & Snijder (eds). ISBN 90 5809 678 5809 678 5, Delft, The Netherlands, June 17-19

M. Sykora, M. Holicky - Stochastic FE analysis of a steel frame under time-variant actions, 5th International PhD Symposium in Civil Engineering, Walraven, Blaauwendraad, Scarpas & Snijder (eds). ISBN 90 5809 678 5809 678 5, Delft, The Netherlands, June 17-19

## TNO-NITG

Orlic, B., Schroot, B.M., Wensaas, L., Heggland, R., Hatziyannis, G., Nikolaou, N., Poyatzi, E. (2004). Predicting ground deformation due to CO<sub>2</sub> injection: Examples from Montmrial, France, Sleipner, Norway and Florina, Greece. In Rubin, E.S., Keith, D.W. and Gilboy, C.F. (Eds.), Proceedings of 7th International Conference on Greenhouse Gas Control Technologies. P 337. IEA Greenhouse Gas Programme, Cheltenham, UK.

## Shell

Molenaar, M.M., van den Beukel, A.C., Hatchell, Jenvey, N.J., Stammeijer, J.G.F., van der Velde, J.J. and de Haas, W.O., 2004. Applying Geo-Mechanics and 4D: "4D In-situ Stress" as a complementary tool for optimizing field management. ARMA/NARMS 04-639, In Proceedings of the Gulf Rocks '04, 6th North American Rock Mechanics Symposium (NARMS), Houston, 5-9 June 2004.

## TU-Delft & Bouwdienst RWS

Herbert van der Ham – Using the stripmethod to calculate the reinforcement of skew plate viaducts, Master Thesis, Delft University of Technolgy, Delft , May 2004, BSRAP-R-04010, RWS Bouwdienst, Utrecht (Dutch)

## RWS Bouwdienst

L.H. Lu, Determination crack growth direction in orthotropic steel bridge decks, BSRAP-R-04017, RWS Bouwdienst, Utrecht, October 2004

A. de Boer, Understanding the crack behaviour of the single expansion joints design in concrete viaducts, BSRAP-R-04013, September 2004, RWS Bouwdienst, Utrecht (Dutch)

A. de Boer, P.H. Waarts, Designing strengthening of structures with the uncertainty of fracture mechanics, Fifth Int. Conference on Fracture Mechanics of Concrete and Concrete Structures, FraMCoS-5, 12-16 April 2004, Vail, Colorado, USA, pg. 933-939

A. de Boer, C. v.d. Veen, Safety aspects during construction steps in the design of concrete structures, FIP symposium 2004 Concrete Structures: the Challenge of Creativity, 26-28 April 2004, Avignon, France, CD

A. de Boer, Comparing sequential LE analysis and full NL analysis in 3D structural concrete design, 5<sup>th</sup> Int. PhD symposium in Civil Engineering, Walraven, Blaauwendraad, Scarpas & Snijder (eds). ISBN 90 5809 678 5809 678 5, Delft, The Netherlands, June 17-19, pg. 607-614

L.H. Lu, J. Gulikers and A. de Boer, Modelling the chloride ingress of concrete , RWS Bouwdienst, BSRAP-R-04032, Utrecht, December 2004 (Dutch)

A. de Boer, Transparency in controlling RC designs of structures by using different FE modeltypes, BSRAP-R-04xxx, RWS Bouwdienst, Utrecht, November 2004 (Dutch)

### **TNO DIANA BV**

Gao, S.B., Yamada, T., Watanabe, M., Hendriks, M.A.N., 2004, "Implementation and verification of Meakawa concrete model in Diana" in proceedings of ICCI2004, The First International Conference on Construction IT, Beijing, CHINA, August 15th-17th.

Max A.N. Hendriks, C. Marcel P. 't Hart and Chantal M. Frissen, 2004, "Finite element modeling of buried steel pipelines in settlement areas" in Pipeline Technology, Proceedings of the 4th International Conference on Pipeline Technology, Edited by Rudi Denys, Oostende, Belgium, May 9-12, 2004.

Max A.N. Hendriks, C. Marcel P. 't Hart and Chantal M. Frissen, 2004, "Elasto-plastic design and assessment of pipelines: 3D Finite element Modeling" in Pipeline Engineering and Construction, Proceedings of the ASCE Pipelines 2004 International Conference, Edited by John J. Galleher and Michael T. Stift, San Diego, California, August 1-4, 2004.

Max A.N. Hendriks, C. Marcel P. 't Hart and Chantal M. Frissen, 2004, "3D Finite Element modeling of buried pipelines - on the interaction of beam action of pipelines and cross sectional behavior" in The Power of Technology, Proceedings of the 5th International ASME Pipelines Conference, Calgary, Canada, October 4-8, 2004.

### **Earthquake Engineering Centre, Japan**

Masoud Mohajeri, Yoshikazu Kobayashi, Kazuhiro Kawaguchi, Masayoshi Sato  
Numerical study on lateral spreading of liquefied ground behind a sheet pile model in a large scale shake table test, 13th World Conference on Earthquake Engineering, Vancouver, B.C., Canada, August 1-6, 2004, paper 2515.



## **Delft University of Technology**

Maetee Boonpichetvong, Jan G. Rots, Numerical analyses of size effect in settlement damage prediction, 5<sup>th</sup> International PhD Symposium in Civil Engineering, Walraven, Blaauwendraad, Scarpas & Snijder (eds). ISBN 90 5809 678 5809 678 5, Delft, The Netherlands, June 17-19

## **Bialystok Technical University, Bialystok, Poland**

Jarosloa Malesza, Mikolaj Syczewski

Experimental investigation and numerical modelling for tracing the development of RC frame joint failure, 5<sup>th</sup> International PhD Symposium in Civil Engineering, Walraven, Blaauwendraad, Scarpas & Snijder (eds). ISBN 90 5809 678 5809 678 5, Delft, The Netherlands, June 17-19