

Publication list DIANA USERS ASSOCIATION 2008

TNO Built Environment and Geosciences

Burggraaf H.G., Maljaars J., Vervuurt, A.H.J.M.; Falling anchor onto the Kiltunnel, phase 2 - strength calculation; TNO-report 2008-D-R1091/B; Delft, December 2008 (report in Dutch, CONFIDENTIAL)

Burggraaf H.G., Mediavilla J, Vervuurt, A.H.J.M., Weerheijm J.; Blast response of the Calland tunnel with LS-DYNA, Delft, 2009 (report in English, CONFIDENTIAL)

University of Eindhoven

Huveners, E.M.P., Hofmeyer, H., Herwijnen, F. van, Soetens, F. (2008). Numerical Research on Glass Panes Acting as a Shear Wall. In F. Bos, Ch. Louter, F. Veer (Eds.), *Challenging Glass, Conference on Architectural and Structural Applications of Glass*. (pp. 359-368).

Huveners, E.M.P., Herwijnen, F. van, Soetens, F., Hofmeyer, H. (2008). Parametric Studies on Bracing Steel Frames with Glued Glass Panes. In Hermann, T. Haese, A. Siebert, G. (Ed.), *International Symposium on the Application of Architectural Glass ISAAG 2008*. (pp. 211-222). Universitat der Bundeswehr Munchen.

Kutanova, N., Soetens, F., Snijder, H.H. (2008). Cross-sectional instabilities of aluminium structural elements. *5th Conference on Coupled Instabilities in Metal Structures (CIMS2008)*. (pp. 491-498). Sydney: The University of Sydney.

Hofmeyer, H., Bos, A.A. van den (2008). Total Strain FE Model for Reinforced Concrete Floors on Piles. *The Structural Design of Tall and Special Buildings*, 17(4), 809-822.

Teeuwen, P.A, Kleinman, C.S., Snijder, H.H., Hofmeyer, H. (2008). Analysis of steel frames with precast concrete infill panels. In IABSE-AIPPC-IVBH (Ed.), *17th Congress of IABSE, Creating and Renewing Urban Structures- Tall Buildings, Bridges and Infrastructure*, Chicago 2008. (Medium: Book pp 216-217 (short version) and CD pp 1-10 (full length)). Zurich, Switzerland: IABSE.

TNO Built Environment and Geosciences, Geo-energy and Geo-information

Papers/presentations

Orlic, B., (2008). Some geomechanical aspects of CO₂ sequestration. 12th International Conference of International Association for Computer Methods and Advances in Geomechanics (IACMAG), Goa, India. Paper H24.

Orlic, B., Benedictus, T., (2008). Some geomechanical aspects of well integrity. Presentation at 4th Well Bore Integrity Network Meeting, IEA Greenhouse Gas R&D Programme, Paris.

Reports:

Hofstee, C., Benedictus, T., Louh, M., van der Meer, L.G.H., Orlic, B., Pluymaekers, M.P.D., Tambach, T.J., (2008). Feasibility of CO2 Storage in the Depleted Q8-A Gasfield. TNO report 2008-U-R0560/C (confidential).

Muntendam-Bos, A., Wassing, B., Geel, C., Louh, M., van Thienen-Visser, (2008). Bergemeer Seismicity Study. TNO report 2008-U-R0871/B (confidential).

Orlic, B., (2008). Field Case Snøhvit, Geomechanical Analysis and Simulation Report (CASTOR-D3.4.4). TNO report 2008-U-R0110/B (confidential).

Orlic, B., (2008). Geomechanical Simulations of the Effect of CO2 Accumulation on Unlithified Shale Layers at the Sleipner Site - A Contribution to the CO2GeoNet project Unlithified Shale Deformation (JRAP-11). TNO report 2008-U-R0742/B (confidential).

TNO DIANA BV

Schreppers, Finite Element Analyses of PLANOQUICK Floor Panels coupling, Report 2008-DIANA-R001

Begg, Aleppo Dept 611– Cement Silo, Report 2008-DIANAUK-R001 (Confidential)

Elkadi, 3D FE Analysis of Pentominium Residential Development Piled Raft: I- Linear Analyses, Report 2008-DIANA-R002 (Confidential)

Manie, Hybrid Frequency Time Domain – Validation, Report 2008-DIANA-R003

Gastbled, 3D FE Analysis of Burj Plot 31 Tower Piled Raft, Report 2008-DIANA-R004 (Confidential)

Palacio, Assessment of analysis of Reinforced concrete Beams in midas FEA, Report 2008-DIANA-R005

Platenburg, Bio-Cell Treatment Tank - FE Analysis, Report 2008-DIANAUK-R006 (Confidential)

Begg, Biofilter treatment system - FE Analysis, Report 2008-DIANAUK-R007 (Confidential)

Kang, Bio-Klenze Tank – FE Analysis, Report 2008-DIANAUK-R008 (Confidential)

Begg, Hydro Klenze FRC Tank – FE Analysis, Report 2008-DIANAUK-R009 (Confidential)

Frissen, Analyses bezwijkgedrag en bezwijkdraagvermogen brug Heteren, Fase 2a, Report 2008-DIANA-R010 (Confidential)

Schreppers, Numerical Analysis of Surgifrac process, Report 2008-DIANA-R011 (Confidential)

University of Porto

A. Dimande, M. Pimentel, C. Félix and J. Figueiras, Monitoring and Numerical Analysis of the New Footbridge Over the Mondego River, CCC 2008 - Challenges for Civil Construction, International Conference, ISBN 978-972-752-100-5, 16-18 April 2008, Porto.

M. Pimentel, J. Santos and J. Figueiras, Safety appraisal of an existing bridge via detailed modelling, International FIB symposium 2008 - Tailor Made Concrete Structures: New Solutions For Our Society, ISBN 978-0-415-47535-8, 19-21 May 2008, Amsterdam.

M. Pimentel, J. Santos and J. Figueiras, Monitoring and detailed Modelling for extending the Lifespan of a 30 Year Old Prestressed Concrete Bridge, Structural Faults & Repair 2008 - 12th International Conference, ISBN 0-947644-62-7, 10-12 June 2008, Edinburgh.

Papers in peer-reviewed journals:

M. Pimentel, P. Cachim and J. Figueiras, Deep-beams with indirect supports: numerical modelling and experimental assessment, Computers and Concrete, An International Journal, Vol.5 n° 2, pp.117-134, 2008.

M. Azenha, R. Faria, Temperatures and stresses due to cement hydration on the R/C foundation of a wind tower—A case study, Engineering Structures, Volume 30, Issue 9, September 2008, Pages 2392-2400, 2008.