

PUBLICATIES CRUX Engineering BV

2004

- *Monitoren van betonconstructie*; StUFIB rapport studiecél 154, mei 2004 (i.s.m. J.Walraven, C.van der Veen; R. Polder, J. Gullikers, J. Leggedoor, F. Kaalberg)
- *Empirical analytical methods for surface settlement prediction due to TBM-tunnelling in soft soils*; Proc. of 5th Int. conference on case studies in geotechnical engineering, New York, 2004
- *Review of the limiting tensile strain method for prediction of excavation induced building damage*; Proc.of 13th Int. Brick/Block Masonry conference in Amsterdam, 2004
- *Settlement damage criteria- angular distortion or deflection ratio*; Proc.of 5th Int. Phd-Conference in Civil Engineering, Delft
- *Nonlinear numerical simulation of settlement-induced damage to solid masonry walls*; Proc.of 13th Int. Brick/Block Masonry conference in Amsterdam, 2004 (i.s.m G.P.A.G. van Zijl)
- *Prediction of surface settlements due to TBM-tunnelling in Dutch soft soil*; Geotechnical Innovations, Neue Entwicklungen in der Geotechnik, juni 2004 (i.s.m J. Rots)
- *Compensation Grouting*; Cement - special Noord/Zuidlijn, nr. 2 maart 2004
- *Monitoring bewaakt bouwproces van diepe stations*; Land+Water nr. 8 augustus 2004 (i.s.m. G.S. Bhageloe, S. Braakman)
- *Keren door Injecteren: defensiecomplex Schaarsbergen*; Geotechniek, 8e jaargang, nr.4
- *Bemessung und Überwachung einer geokunststoffbewehrten Tragschicht auf HSP-Pfählen*; Bautechnik 81 2004, Heft 12, (i.s.m. F. Bussert, N. Meyer & A. de Lange)
- *Analyse en evaluatie grond- en gebouwvervormingen*; COB-rapport nr. F220-0-04-122, november 2004 (i.s.m. Rots J.G.)

2003

- *Compensation Grouting Proef: Fracture Grouten onder houten paalfundering*; Geotechniek 7e jaargang, nummer 1
- *Injecteren geen noodoplossing*; Land + Water, nummer 3 (maart)
- *PAO Cursus grondverbeteringstechnieken*; 3 hoofdstukken
- *Soil Improvement; Grouting Methods*; Masterclass COB-JTA
- *Pile Foundation Improvement by Permeation Grouting, Grouting & Ground Treatment*; Proc. of the 3rd intern. conference DFI / ASCE New Orleans
- *On modelling of masonry buildings response in Dutch soft-ground tunneling*; Proc. of ITA 2003 in Amsterdam (i.s.m. Boonpichtvong M., Rots J.G.)
- *Predicting Tunneling-Induced Settlement Damage of a concrete frame building with masonry facade*; 2003 (i.s.m. Douglas, Rots, Billington)
- *Monitoring the deformation behaviour of buildings in Amsterdam*; Proc. of ITA 2003 in Amsterdam (i.s.m. F.J. Kaalberg)
- *Review of the tensile strain method for predicting building damage due to ground movements*; Proc. of ITA 2003 in Amsterdam
- *Full-scale compensation grouting trial North/South line Amsterdam; Spatial relationships of fracture grouting injection pressures*; 13 ECSMGE, Prague Czech Republic, 2003 (i.s.m. F.J. Kaalberg)
- *Geologisch model van project Spoorzone Delft*; Ingeokring Newsletter Vol 10, No. 2 2003, www.ingeokring.nl (i.s.m. S. Braakman, S. Delfgaauw)
- *Het effect van vriezen en dooien op de samendrukkingseigenschappen van gereconstitueerde Eemklei*; Geotechniek 2003, nummer 3 (i.s.m. J.W. Dijkstra, L.F. Gareau)
- *Onderzoek gebouwresponsie speelt een prominente rol – Noord/Zuidlijn profiteert van ervaringen Sophiaspoortunnel*; Land+Water nr. 10 oktober 2003 (i.s.m. P.P.T. Litjens, F.J. Kaalberg)

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- *On line vervormingsmonitoring van gebouwen in Amsterdam - Het ademen van constructies onder seizoensinvloeden-*; Cement 2002 (i.s.m. F.J. Kaalberg)
- *Het gebruik van injectiemethoden (grouting) als funderingsverbeteringsstelsel*; Congresbundel 12e Innovatieforum, KVIV Prijs Hubert Raedschelders
- *State of the art van funderingsverbetering in de lage landen*; Congresbundel KIVI/KVIV Geotechniekdag 4 dec 2002
- *Settlement Risk Assessment ; Integrating FEM and GIS*; Proc. of the NUMOG 2002 conference in Rome
- *Monitoring of natural deformation behaviour of buildings in Amsterdam – On line Monitoring for the North-South Metroline-*; Proc. of the TC28 conference in Toulouse (i.s.m. F.J. Kaalberg)
- *Case studies of building response due to TBM-tunneling in Dutch soft soil*; Proceedings of the ITA conference in Sydney
- *Fracture grouting to mitigate settlements of wooden pile foundations*; Proceedings of the ITA 2002 Conference Sydney (i.s.m. K.J. Kaalberg)

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- *Jetgrouten naast een paalfundering*; Geotechniek 5e jaargang, nummer 2 (i.s.m. S. Kay (Fugro) & D.C. van Zanten (IG R'dam))
- *Groutinjectie voor verbeteren van funderingen*; Land + Water, nummer 9/10
- *GIS koppelt ontwerp en uitvoering*; Journal Land + Water, nr.7/8, in Dutch, juli/augustus 2001 (i.s.m. F.J. Kaalberg)
- *Praktijkproef openstaande diepwandsleuven tbv nieuwe amsterdamse metrolijn – deel 1*; Geotechniek 5e jaargang, nummer
- *Praktijkproef openstaande diepwandsleuven tbv nieuwe amsterdamse metrolijn – deel 2*; Geotechniek 5e jaargang, nummer
- *Utram van oud naar nieuw land, een geotechnische uitdaging*; Civiele techniek.
- *De Zuidas, er op of er onder*; Geotechniek
- *Settlement risk assessment for the North-South Metroline in Amsterdam*; CIRIA Conference The response of buildings to excavation induced ground movement, London 2001 (i.s.m. F.J. Kaalberg)
- *Feasibility of Compensation Grouting to Mitigate TBM Settlements of Wooden Pile Foundations, Full Scale Trial North/South Line Amsterdam*; Proceedings of the CIRIA Conference London, (i.s.m. R.D. Essler)
- *Big brother for TBM's*; Journal Tunnels & Tunnelling International; January 2001 (i.s.m. F.J. Kaalberg, V. Hentschel, B. van Dijk)
- *Monitoring of the North-South Metroline in Amsterdam*; CIRIA Conference The response of buildings to excavation induced ground movement, London 2001 (i.s.m. F.J. Kaalberg)
- *Grouting for Pile Foundation Improvement*; Proefschrift ter verkrijging van de graad van doctor aan de Technische Universiteit Delft, ISBN 90-407-2223-4
- *Research program on the impact of diaphragm wall installation. Validation of a 3D-FE model*; PLAXIS Bulletin
- *Settlement Risk Management in Underground Construction, New Paradigms for the Prediction of Subsurface Conditions*; EuroConference on the Characterisation of the Shallow Subsurface: Implications for Urban Infrastructure and Environmental Assessment, Spa Belgium, 2001 (i.s.m. F.J. Kaalberg)

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- *Grondinjectie met ultrafijn cement, funderingen versterken en lekkages tegengaan*; Land + Water, nummer 3 (i.s.m. dr. ir. J.W. Frenay, dr. V. Klapperich & P. Noske)
- *Omgevingsmonitoring van de Noord/Zuidlijn in Amsterdam*; COB Nieuws nr.05 in Dutch, oktober 2000 (i.s.m. F.J. Kaalberg)
- *Jet Grouting bij Paalfunderingen*; Geotechniek 4e jaargang, nummer 3, Funderingsdag Special, 2000
- *Empirische, analytische predicities van grondvervormingen en gebouwrespons*); COB-committee F220 Praktijkonderzoek Sofiaspoortunnel (in Dutch)
- *Strength & Stiffness parameters of jet grouting columns*; Proceedings of GeoEng 2000 Melbourne (i.s.m. H.J. van Ree)
- *Verifying the diameter of jet grouting columns*; Proceedings of the 4th International Congress on Ground Improvement and Geosystems, Helsinki (i.s.m. drs. Magiel van den Blik; T&A Radar)
- *Numerical Damage Risk Assessment Studies on adjacent buildings due to TBM-tunnelling in Amsterdam*; Proc. of GEOENG 2000, Melbourne (i.s.m. F.J. Kaalberg)
- *Full scale test on the building response due to TBM tunnelling in Dutch soft soil*; Sec. Int. Conf. on Soil Structure Interaction in Urban Civil Engineering, Zurich, 2000

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- *Geofysische meetmethoden bij grondverbetering: Praktijk Injectie Proef te Utrecht*; Geotechniek, 3e jaargang nummer 1 (i.s.m. drs. V.J. Hopman en drs. W. van Dalssen)
- *Numerical settlement risk assessment studies for masonry structures due to TBM-tunnelling in Amsterdam*; Proc. Symposium Geotechnical aspects of underground construction in soft ground 1999, Tokyo (i.s.m. F.J. Kaalberg)
- *GIS-database for urban infrastructural projects- Generation of 3D geotechnical soil profiles*, Geotechniek-special in Dutch, ECSMGE-congres 1999 (i.s.m. R.A. Schiphouwer, A. van Kessel, F.J. Kaalberg, E.A.H. Teunissen)
- *Settlement Risk Management with GIS for the North/South Metroline in Amsterdam*; Proc. World Tunnel Congres 1999, Oslo (i.s.m. F.J. Kaalberg)
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- *Full Scale Injection test North/South metro line Amsterdam*; Geotechnical Engineering for Transportation Infrastructure 1999, Amsterdam
- *Injection / grouting near pile foundations: Full Scale Test Amsterdam*; Geotechnical Aspects of Underground Construction in Soft Ground, IS'99, Tokyo
- *Soil deformation and behavior of pile foundations at the excavation of diaphragm wall panels; results of a full scale test*; Geotechnical Aspects of Underground Construction in Soft Ground; IS'99, Tokyo
- *Full scale injection test Amsterdam: Results stage 1 and 2, Challenges for the 21structure Century*; Proceedings of the World Tunnel Congress '99, Oslo

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- *Soil Grouting: Full Scale Injection test North/South metro line Amsterdam*; Proceedings of the World Tunnel Congress '98 on Tunnels and Metropolises, Sao Paulo, Brazil, Balkema, Rotterdam
- *Strategic study on the utilization of underground space in the Netherlands, Tunnelling and Underground Space Technology*; 799, Vol. 13, Iss 2, pp 159 - 165, 1998 (i.s.m. Edelenbos J., Monnikhof R., Hoeven F. van der, Horvat E., Krogt R. van der)

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- *'Strategische Studie Ondergronds Bouwen'*; uitgave Centrum Ondergronds Bouwen (CUR/COB) Technische Universiteit Delft (rapport COB studie N 710) ISBN 90-376-02207 (co-auteur)
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