

5. Publication list 2015

ABT

R.H.G. Roijackers, R.H.J. Bruins, Rekenmethodes voor seismisch rekenen, Bouwen met Staal 248, December 2015.

M. Verbaten, A. Middelkoop, Innovatie versterkingsmethode balkons, Cement 2015/5.

ARCADIS & Delft University of Technology

R. Veerman, K. v. Breugel and E. Koenders (2015) Effect of Corrosion on the Fatigue Service-life on Steel and Reinforced Concrete Beams, FIB Symposium 2015, Copenhagen Denmark, 18-20 May 2015

Chalmers University

Lundgren, K., Zandi, K., Nilsson, U. (2015). A model for the anchorage of corroded reinforcement: validation and application, fib Symposium, Copenhagen, 18-20 May 2015.

Lundgren, K., Plos, M., Tahershamsi, M., & Zandi, K. (2015). 3D Modelling of the bond behaviour of naturally corroded reinforced concrete. *Noric Concrete Research*, 2(53), 35–38.

Lundgren, K., Plos, M., Zandi, K., & Tahershamsi, M. (2015). Anchorage of corroded reinforcement—from advanced models to practical applications. *Noric Concrete Research*, 2(53), 43–47.

Zandi, K. (2015) Corrosion-Induced Cover Spalling and Anchorage Capacity, *Structure and Infrastructure Engineering (1573-2479)*. Vol. 11 (2015), 12, p. 1547-1564.

Zandi, K., Lundgren, K. (2015) Numerical 3D modelling of anchorage, corrosion and spalling, fib Symposium, Copenhagen, 18-20 May 2015.

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Shu, J., Plos, M., Zandi, K., & Lundgren, K. (2015). A Multi-level Structural Assessment Proposal for Reinforced Concrete Bridge Deck Slabs. *Noric Concrete Research*, 2(53), 53–56.

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sandwich elements for building envelopes, IABSE Conference - Structural Engineering: Providing Solutions to Global Challenges, September 23-25 2015, Geneva, Switzerland, p. 195-203.

TNO Geo-energy, Utrecht

Buijze, L., Orlic, B., Wasssing, B.B.T., Schreppers, G.-J. (2015).
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Deliverable 1.3, Sub-seabed CO2 Storage: Impact on Marine Ecosystems (ECO2).

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Numerical simulations of enhanced gas recovery at the Załęcze gas field in Poland confirm high CO2 storage capacity and mechanical integrity.
Oil & Gas Science and Technology - Rev. IFP Energies nouvelles. 70, 4:655-680.
DOI: 10.2516/ogst/2015012.

Wassing, B.B.T. (2015). Modelling of fault reactivation and fault slip in producing gas fields. Proc of the 2nd EAGE Workshop on Geomechanics and Energy, Celle. Extended abstract.

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Proc. of the 77th EAGE Conference and Exhibition, Madrid. Extended Abstract.

TNO DIANA BV

A framework for wellbore cement integrity analysis
Gerd-Jan Schreppers, TNO DIANA
Published: ARMA 2015 (copyright ARMA)

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Ab van den Bos, TNO DIANA. Published: CEMENT Magazine (copyright CEMENT)

On the use of embedded pile elements for the numerical analysis of disconnected piled rafts.
Fabio Tradigo (Arup); Federico Pisano (TU Delft); Claudio di Prisco (Politecnico di Milano)
Published: Elsevier (copyright Elsevier)

Rekenmethodieken voor seismische belasting
Pim van der Aa (TNO DIANA BV). Published: KOersief 96 (copyrighted)

Earthquake Assessment of Luzzone dam using DIANA
W P Kikstra, J Manie, G Schreppers (TNO DIANA BV)
Published: ICOLD Benchmark Workshop 2015

Towards mode selection criteria for multi-mode initial postbuckling analysis of composite cylindrical shells.

E.L. Jansen, R. Rolfes (Leibniz Universität), T. Rahman (TNO DIANA BV)
3rd International Conference on Buckling and Postbuckling behaviour of Composite Laminated Shell Structures; Branschweig, Germany

For more information:

<https://www.youtube.com/user/TNODianaBV>

Royal HaskoningDHV

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Ane de Boer, 'Composite structures in infrastructure NL', Workshop FRP, Dutch Embassy, Stockholm, Zweden

Ane de Boer, 'Assetmanagement and ASR damage', InfraQuest-Danish Workshop, InfraQuest, TU Delft, Delft

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Ane de Boer, 'Ontwikkeling verkeersbelastingmodellen statisch en vermoeiing', InfraQuest, Marktdag, 2015

Ane de Boer, 'Re-examinations of existing bridge decks and viaducts in the Netherlands', Workshop Nordic Concrete, Oslo, Norway

Ane de Boer, 'Twaalf jaar meten aan viaducten aangetast door ASR t.b.v. beheersbaarheid Constructieve veiligheid van bestaande constructies', WOW bijeenkomst, Den Bosch

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Delft University of Technology & Ministry of Infrastructure

E.O.L.Lantsoght, C. van der Veen, A. de Boer, Reliability-based expression for the shear capacity of reinforced concrete slabs under concentrated loads close to supports', ESREL2015, Zurich, Switzerland

Eva Lantsoght, Cor van der Veen, Ane de Boer, 'Improved Formulation for Compressive Fatigue Strength of Concrete', *Concrete Repair, Rehabilitation and Retrofitting IV*

Eva O. L. Lantsoght, Cor van der Veen, Joost C. Walraven, Ane de Boer, Transition from one-way to two-way shear in slabs under concentrated loads, ICE Magazine of concrete research, vol 67, issue 17

Ir. S.W.H Ensink Dr.ir. C. van der Veen Dr.ir. A. de Boer, SHEAR OR BENDING? EXPERIMENTAL RESULTS ON LARGE T-SHAPED PRESTRESSED CONCRETE BEAMS, Edinburgh

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Ane de Boer, Max A.N. Hendriks, Cor van der Veen, Beatrice Belletti, 'Nonlinear structural analysis as an assessment tool for existing concrete structures, IABSE2015, Geneva, Switzerland

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