

# Bibliography, Concrete Structures

Theses are given in order of time of publication. The numbers refer to the two series of dissertations at Chalmers University of Technology (the original, 1941-1975, and the new from 1971). The first PhD dissertation was arranged in 1948 although the first theses were published earlier. Theses until 1966 are in Civil Engineering, while theses from 1971 are in Concrete Structures.

## Doctoral Theses

- [1] Bertil Löfquist. "Temperatureffekter i hårdnande betong. Undersökning av några faktorer som påverka sprickbildningen i grövre konstruktioner—Jämförelse mellan två svenska cement." No. 3, 195 pp (in Swedish). PhD thesis. 1946.
- [2] Nils Tengvik. "Den svenska byggnadsmaterialmarknaden. Produktion, distribution och prissättning av jord- och stenindustrins material." No. 7, 318 pp. (in Swedish). PhD thesis. 1952.
- [3] Sven Ödman. "Studies of Boundary Value Problems." No. 10, 10 pp + app. PhD thesis. 1955.
- [4] Gunnar Kärholm. "Parallelogram Plates Analysed by Strip Method." No. 11, 196 pp. PhD thesis. 1956.
- [5] Lars-Erik Larsson. "Bearing Capacity of Plain and Reinforced Concrete Walls." No. 20, 248 pp. PhD thesis. 1959.
- [6] Sven Hansbo. "Consolidation of Clay, with Special Reference to Influence of Vertical Sand Drains. A Study Made in Connection with Full-scale Investigation at Skå-Edeby." No. 25, 160 pp. PhD thesis. 1960.
- [7] Per Anders Hedar. "Stability of Rock-fill Breakwaters." No 26, 119 pp. PhD thesis. 1960.
- [8] Anders Losberg. "Structurally Reinforced Concrete Pavements." No. 29, 444 pp. PhD thesis. 1960.
- [9] Alf Samuelsson. "Linear Analysis of Frame Structures by Use of Algebraic Topology." No. 36, 115 pp. PhD thesis. 1962.
- [10] Bengt Åkesson. "On Lévy's Plate Solution." No. 36, 115 pp. PhD thesis. 1966.
- [11] Gunnar Backsell. "Experimental Investigations into Deformations Resulting from Stresses Perpendicular to Grain in Swedish Whitewood and Redwood in Respect of the Dimensioning of Concrete Formwork." No. 57, 113 pp. PhD thesis. 1966.

- [12] Krister Cederwall. "Time-dependent behaviour of reinforced concrete structures." No 109. Publication 71:3 by the National Swedish Building Research and as Publication 71:1 by the Division of Concrete Structures, 173 pp. PhD thesis. 1971.
- [13] Lennart Elfgren. "Reinforced Concrete Beams Loaded in Combined Torsion, Bending and Shear: A Study of the Ultimate Load-Carrying Capacity." New Series No 28, Publication 71:3, 230 pp., Second Ed 1972, 230 pp. PhD thesis. 1971.
- [14] Inge Karlsson. "Stiffness Properties of Reinforced Concrete Beams in Combined Torsion, Bending and Shear." No 126, Publication 73:1, 203 pp. PhD thesis. 1973.
- [15] Ingvar H. E. Nilsson. "Reinforced Concrete Corners and Joints Subjected to Bending Moment: Design of Corners and Joints in Frame Structures". New Series No 90. Also published as Document 1973:7 by the National Swedish Building Research and as Publication 73:6 by the Division of Concrete Structures, 249 pp. PhD thesis. 1973.
- [16] Ralejs Tepfers. "A Theory of Bond Applied to Overlapped Tensile Reinforcement Splices for Deformed Bars." Second edition 1976. No. 732, Publication 73:2, 328 pp. PhD thesis. 1973.
- [17] Arne Cajdert. "Laterally Loaded Masonry Walls." New Series No 346, No 865, Publication 80:5, 283 pp. PhD thesis. 1980.
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- [19] Stig Öberg. "Post Tensioned Shear Reinforcement in Rectangular RC Beams." No. 1021, Publication 90:1, 603 pp. PhD thesis. 1990.
- [20] Björn Engström. "Ductility of Tie Connections in Precast Structures." Nos. 936, 999, 1023, 1052, Publication 92:1, 368 pp. + app. PhD thesis. 1992.
- [21] Marianne Grauers. "Composite Columns of Hollow Steel Sections Filled with High Strength Concrete." No. 1077, Publication 93:2, 140 pp. PhD thesis. 1993.
- [22] Li An. "Load Bearing Capacity and Behaviour of Composite Slabs with Profiled Steel Sheet." No. 1075, Publication 93:4, 134 pp. PhD thesis. 1993.
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- [25] Christina Claeson. "Structural Behavior of Reinforced High-Strength Concrete Columns." No 1105, Publication 98:1, 92 pp. PhD thesis. 1998.

- [26] Karin Lundgren. "Three-Dimensional Modelling of Bond in Reinforced Concrete. Theoretical Model, Experiments and Applications." No 37, Publication 99:1, 129 pp. PhD thesis. 1999.
- [27] Jonas Magnusson. "Bond and Anchorage of Ribbed Bars in High-Strength Concrete." No 1113, Publication 00:1, 300 pp. PhD thesis. 2000.
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- [29] Rikard Gustavson. "Structural Behaviour of Concrete Railway Sleepers." No 32, Publication 02:6, 180 pp. PhD thesis. 2002.
- [30] Mathias Johansson. "Composite Action and Confinement Effects in Tubular Steel-Concrete Columns." No 33, Publication 02:8, 173 pp. PhD thesis. 2002.
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- [32] Joosef Leppänen. "Concrete Structures Subjected to Fragment Impacts—Dynamic Behaviour and Material Modelling." No. 31, Publication 04:4, 125 pp. PhD thesis. 2004.
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- [38] Kamyab Zandi Hanjari. "Structural Behaviour of Deteriorated Concrete Structures." Ny serie nr 3142, 64 pp. PhD thesis. 2010.
- [39] Anette Jansson. "Effects of Steel Fibres on Cracking in Reinforced Concrete." Ny serie nr 3233, 50 pp. PhD thesis. 2011.
- [40] Hendrik Schlune. "Safety Evaluation of Concrete Structures with Nonlinear Analysis." Ny serie nr 3232, 45 pp. PhD thesis. 2011.
- [41] Ulrika Nyström. "Modelling of Concrete Structures Subjected to Blast and Fragment Loading." New Series No 3486, 83 pp. + papers. PhD thesis. 2013.

- [42] Filip Nilenius. "Moisture and Chloride Transport in Concrete: Mesoscale Modelling and Computational Homogenization." New Series No 3658, 29 pp. + papers. PhD thesis. 2014.
- [43] David Fall. "Steel Fibres in Reinforced Concrete Structures of Complex Shapes: Structural Behaviour and Design Perspectives." New Series No 3699, 68 pp. + papers. PhD thesis. 2014.

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- [2] Ralejs Tepfers. "Problem vid avkortning av dragarmering: Föredrag vid Smedjebackens Valsverks Byggdagar." No. 639, 24 pp. Licentiate Thesis (part II). 1963.
- [3] Ralejs Tepfers. "Försök med hålbalkar." No. 66:1. Licentiate Thesis (part III). 1966.
- [4] Kent Gustavsson. "Fogar i samverkande betongkonstruktioner med tunn pågjutning." No. 938, Publication 81:7, 111 pp. Licentiate Thesis. 1981.
- [5] Krister Cederwall and Thomas Pettersson. "Spännarmerad betong—Tidsberoende spännförluster." No. 1053, Publication 85:5, 36 pp. Licentiate Thesis. 1985.
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- [7] Steve Svensson. "Skivverkan i elementbjälklag. Skjuvkraftsöverföring i uppspruckna fogar." No. 1026, Publication 88:1, 59 pp. Licentiate Thesis. 1988.
- [8] Elzbieta Saran. "Shear Capacity of Composite Prestressed Concrete Beams." No. 1081, Publication 89:1, 127 pp. Licentiate Thesis. 1989.
- [9] Johannes Svedin. "En modell för beräkning av sprickbredd i armerade betongkonstruktioner paverkade av statisk engangslast." No. 1083, Publication 89:2, 95 pp. Licentiate Thesis. 1989.
- [10] Marianne Grauers. "Shear Capacity of Three-Layered Composite Concrete Slabs." No. 1065, Publication 89:3, 27 pp. + Appendix. Licentiate Thesis. 1989.
- [11] Johan Hedin. "Långtidsegenskaper hos samverkanskonstruktioner av stål och betong." No. 1079, Publication 90:2, 53 pp. (In Swedish). Licentiate Thesis. 1990.
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