

**Doctoral and Licentiate theses in
Structural Engineering, Structural Mechanics, Steel Structures and Building Materials at
Luleå University of Technology, Sweden**

April 2020

Most theses are available at <http://ltu.diva-portal.org/smash/>

Subjects and Chaired Professors

Structural Engineering (Konstruktionsteknik; Byggkonstruktion 2019–): Krister Cederwall 1977–1983, Lennart Elfgrén 1984–2009, Mats Emborg 2009–2015, Andrzej Cwirzen 2015–2018, Gabriel Sas 2020–.

Structural Mechanics (Byggnadsmekanik): Geir Horrigmoe 1985–1991, Marek Klisinski 1992–2005.

Steel Structures (Stålbyggnad): Bernt Johansson 1986–2007, Milan Veljkovic 2007–2015, Ove Lagerqvist (acting) 2015–2019.

Building Materials (Byggmaterial): Andrzej Cwirzen (2019–).

Doctoral Theses

1980 Ulf Arne Girhammar: Dynamic fail-safe behaviour of steel structures. 1980:060D. 309 pp. Structural Engineering.

1983 Kent Gylltoft: Fracture mechanics models for fatigue in concrete structures. 1983:25D. 210 pp. Structural Engineering.

1985 Thomas Olofsson: Mathematical modelling of jointed rock masses. 1985:42D. 143 pp. Structural Engineering. In collaboration with Rock Mechanics.

1988 Lennart Fransson: Thermal ice pressure on structures in ice covers. 1988:67D. 161 pp. Structural Engineering.

1989 Mats Emborg: Thermal stresses in concrete structures at early ages. 1989:73D. 285 pp. Structural Engineering.

1991 Peter Collin: Vippning av stålbalkar i hallramar (Lateral-torsional buckling in portal frames, In Swedish), 1991:094D, 135 p. Steel Structures

1993 Lars Stehn: Tensile fracture of ice. Test methods and fracture mechanics analysis. 1993:129D, Sept. 1993. 136 pp. Structural Engineering.

1994 Björn Täljsten: Plate bonding. Strengthening of existing concrete structures with epoxy bonded plates of steel or fibre reinforced plastics. 1994:152D, Aug. 1994. 283 pp. Structural Engineering.

1994 Jan-Erik Jonasson: Modelling of temperature, moisture and stresses in young concrete. 1994:153D, Aug. 1994. 227 pp. Structural Engineering.

1994 Anders Sundin: High performance hybrid mixed elements using orthogonal stress

interpolants and scaling of the higher order stiffness. 1986:156D, 184 pp. Structural Mechanics

1995 Ove Lagerqvist: Patch Loading. Resistance of steel girders subjected to concentrated forces. 1994:159D, 299 p. Steel Structures

1995 Claes Fahleson: Ice and Wind Loads on Guyed Masts. 1995:174D, 226 p. Steel Structures.

1995 Mikael Möller: On Inelastic Local Flange Buckling. 1995:175D, 181 p, Steel Structures.

1995 Ulf Ohlsson: Fracture mechanics analysis of concrete structures. 1995:179D, Dec. 1995. 98 pp. Structural Engineering.

1995 Annika Moström: Search for efficient time integration methods in structural dynamics for finite element meshes with large variations of properties. 1995:181D, 202 pp. Structural Mechanics.

1997 Jan Granlund: Structural Plasticity: Experimental Study and Theoretical Modelling, 1997:24D, 229 p, Steel Structures.

1998 Frank Axhag: Plastic Design of Slender Bridge Girders, 1998:09D, 207 p, Steel Structures.

1998 Keivan Noghabai: Effect of tension softening on the performance of concrete structures. 1998:21, Aug. 1998. 150 pp. Structural Engineering.

1998 Ireneusz Czmocho: Influence of structural timber variability on reliability and damage tolerance of timber beams. 1998:30D, 297 pp. Structural Mechanics.

1999 Gustaf Westman: Concrete creep and thermal stresses. New creep models and their effects on stress development. 1999:10, May 1999. 301 pp. Structural Engineering.

1999 Henrik Gabrielsson: Ductility in high performance concrete structures. An experimental investigation and a theoretical study of prestressed hollow core slabs and prestressed cylindrical pole elements. 1999:15, May 1999. 283 pp. Structural Engineering.

2000 Patrik Groth: Fibre reinforced concrete – Fracture mechanics methods applied on selfcompacting concrete and energetically modified binders. 2000:04, Jan. 2000. 214 pp. ISBN 978-91-85685-00-4. Structural Engineering.

2000 Hans Hedlund: Hardening concrete. Measurements and evaluation of non-elastic deformation and associated restraint stresses. 2000:25, Dec. 2000. 394 pp. ISBN 91-89580-00-1. Structural Engineering.

- 2001 Robert Tano:** Modelling of localized failure with emphasis on band paths. 2001:08D, 200 pp. Structural Mechanics.
- 2001 Nils Olsson:** Glulam Timber Arches – Strength of splices and reliability-based optimisation, 2001:12, 231 p, Steel Structures
- 2001 Anders Olsson:** Stainless Steel Plasticity – Material modelling and structural applications. 2001:19, 295 p, Steel Structures
- 2003 Anders Carolin:** Carbon fibre reinforced polymers for strengthening of structural members. 2003:18, June 2003. 190 pp. ISBN 91-89580-04-4. Structural Engineering.
- 2001 Patrik Svanerudh:** Design Support System for Multi-storey Timber Structures, 2001:20, 274 p, Steel Structures.
- 2001 Eva Hedman-Pétursson:** Column Buckling with Restraint from Sandwich Wall Elements, 2001:27, 209 p, Steel Structures.
- 2002 Eva Sterner:** Green Procurement of Buildings. Estimation of Environmental Impact and Life-Cycle Cost. 2002:09, 185 p, Steel Structures
- 2003 Martin Nilsson:** Restraint factors and partial coefficients for crack risk analyses of early age concrete structures. 2003:19, June 2003. 170 pp. ISBN: 9189580-05-2. Structural Engineering.
- 2003 Mårten Larson:** Thermal crack estimation in early age concrete – Models and methods for practical application. 2003:20, June 2003. 190 pp. ISBN 9186580-06-0. Structural Engineering.
- 2004 Chouping Luo:** Finite elements based on the piece-wise linear weight functions in contact problems. 2004:46D, 122 pp. Structural Mechanics.
- 2005 Erik Nordström:** Durability of sprayed concrete. Steel fibre corrosion in cracks. 2005:02, January 2005. 151 pp. ISBN 978-91-85685-01-1. Structural Engineering.
- 2005 Eva Sterner:** Green Procurement of Buildings. Estimation of Environmental Impact and Life-Cycle Cost. 2002:09, 185 p, Steel Structures
- 2005 Katarina Ljungquist:** A Probabilistic Approach to Risk Analysis. A comparison between undesirable indoor events and human sensitivity. 2005:41, 225 p, Steel Structures
- 2006 Rogier Jongeling:** A process model for work-flow management in construction. Combined use of location-based scheduling and 4D CAD. 2006:47, Oct. 2006. 191 pp. ISBN 978-91-85685-02-8. Structural Engineering.
- 2006 Jonas Carlswård:** Shrinkage cracking of steel fibre reinforced self compacting concrete overlays – Test methods and theoretical modelling. 2006:55, Dec. 2006. 250 pp. ISBN 978-91-85685-04-2. Structural Engineering.
- 2006 Håkan Thun:** Assessment of fatigue resistance and strength in existing concrete structures. 2006:65, Dec. 2006. 169 pp. ISBN 978-9185685-03-5. Structural Engineering.
- 2007 Lundqvist Joakim:** Numerical analysis of concrete elements strengthened with carbon fiber reinforced polymers. 2007:07, Mar. 2007. 50 pp. ISBN 978-91-85685-06-6. Structural Engineering.
- 2007 Arvid Hejll:** Civil structural health monitoring – Strategies, methods and applications. Doctoral Thesis 2007:10, Mar. 2007. 189 pp. ISBN 978-91-85685-08-0. Structural Engineering.
- 2007 Jonas Gozzi:** Patch Loading Resistance of Plated Girders – Ultimate and serviceability limit state. 2007:30, 200 p, Steel Structures.
- 2007 Mattias Clarin:** Plate Buckling Resistance. Patch Loading of Longitudinally Stiffened Webs and Local Buckling, 2007:31, 202 p, Steel structures
- 2007 Stefan Woksepp:** Virtual reality in construction: Tools, methods and processes. 2007:49, Nov. 2007. 191 pp. ISBN 978-91-85685-097. Structural Engineering.
- 2007 Romuald Rwamamara:** Planning the healthy construction workplace through risk assessment and design methods. 2007:74, Nov. 2007. 179 pp. ISBN 978-91-85685-11-0. In collaboration with Construction Management
- 2008 Björn Sand:** Nonlinear finite element simulations of ice forces on offshore structures. 2008:39, Sep. 2008. 241 pp. Structural Engineering.
- 2008 Bengt Toolanen:** Lean contracting: relational contracting influenced by lean thinking. 2008:41, Oct. 2008. 190 pp. Structural Engineering.
- 2008 Sofia Utsi:** Performance based concrete mix-design: Aggregate and micro mortar optimization applied on self-compacting concrete containing fly ash. 2008:49, Nov. 2008. 190 pp. Structural Engineering.
- 2009 Markus Bergström:** Assessment of existing concrete bridges: Bending stiffness as a performance indicator., March 2009. 241 pp. ISBN 978-9186233-11-2. Structural Engineering.
- 2009 Tobias Larsson:** Fatigue assessment of riveted bridges, March 2009. 165 pp. ISBN 978-91-86233-13-6. Structural Engineering.
- 2009 Thomas Blanksvärd:** Strengthening of concrete structures by the use of mineral based composites: System and design models for flexure and shear. Apr. 2009. 156 pp. ISBN 978-91-86233-23-5. Structural Engineering.
- 2011 Anders Bennitz:** Externally unbonded post-tensioned CFRP tendons – A system solution. Feb. 2011. 68 pp. ISBN 978-91-7439-206-7. Structural Engineering.
- 2011 Gabriel Sas:** FRP shear strengthening of reinforced concrete beams. Apr. 2011. 97 pp. ISBN 978-91-7439-239-5. Structural Engineering.
- 2011 Peter Simonsson:** Buildability of concrete structures: processes, methods and material. Apr.

2011. 64 pp. ISBN 978-91-7439-243-2. Structural Engineering.

2011 Stig Bernander: Progressive landslides in long natural slopes. Formation, potential extension and configuration of finished slides in strain-softening soils. May 2011, rev. Aug. 2011 & April 2012. 250 p. ISBN 978-91-7439-2388. Structural Engineering in collaboration with Soil Mechanics and Foundation Engineering.

2012 Arto Puurula: Load carrying capacity of a strengthened reinforced concrete bridge: nonlinear finite element modeling of a test to failure. Assessment of train load capacity of a two-span railway trough bridge in Örnsköldsvik strengthened with bars of carbon fibre reinforced polymers (CFRP), May 2012. 332 pp. ISBN 978-917439-433-7. Structural Engineering.

2013 Tim Heistermann: Stiffness of Reverse Channel Connections at Room and Elevated Temperatures, ISBN 978-91-7439-769-7, 239 p, Steel Structures.

2014 Christine Heistermann: Resistance of Friction Connections with Open Slotted Holes in Towers for Wind Turbines, ISBN 978-91-7583-152-7, 192 p, Steel Structures

2015 Mohammed Salih Mohammed Mahal: Fatigue behaviour of RC beams strengthened with CFRP. Analytical and experimental investigations. Mar. 2015. 138 pp. ISBN 978-91-7583-234-0. Structural Engineering.

2015 Jonny Nilimaa: Concrete bridges: Improved load capacity. June 2015. 180 pp. ISBN 978-91-7583-344-6. Structural Engineering.

2015 Tarek Edrees Saeed: Structural control and identification of civil engineering structures. June 2015. 314 pp. ISBN 978-91-7583-241-8. Structural Engineering.

2015 Majid Al-Gburi: Restraint effect in early age concrete structures. September 2015. 190 pp. ISBN 978-91-7583-374-3. Structural Engineering.

2016 Naveed Iqbal: Analysis of Catenary Effect in Steel Beams and Trusses Exposed to Fire, ISBN 978-91-7583-649-2, 240 p, Steel Structures

2017 Cosmin Popescu: CFRP strengthening of cut-out openings in concrete walls – Analysis and laboratory tests. February 2017, 159 pp. ISBN 97891-7583-794-9. Structural Engineering.

2017 Alexandra Byström: Compartment Fire Temperature Calculations and Measurements, ISBN 978-91-7583-813-7, 222 p, Steel Structures

2017 Katalin Orosz: Early age autogenous deformation and cracking of cementitious materials – Implications on strengthening of concrete. June 2017, 226 pp. ISBN 978-91-7583-908-0. Structural Engineering.

2017 Niklas Bagge: Structural assessment procedures for existing concrete bridges:

Experiences from failure tests of the Kiruna Bridge. June 2017, 310 pp. ISBN 978-91-7583-878-6. Structural Engineering.

2017 Pourya Noury: On Failure of High Strength Steel Bridge Roller Bearings, ISBN 978-91-7583-942-4, 120 p, Steel Structures.

2017 Rasoul Nilforoush: Anchorage in Concrete Structures: Numerical and Experimental Evaluations of Load-Carrying Capacity of Cast-in-Place Headed Anchors and Post-Installed Adhesive Anchors. Nov. 2017, 352 pp. ISBN 978-91-7790-003-0. Structural Engineering.

2018 Robert Hällmark: Composite Bridges. Innovative ways of achieving composite action. Nov. 2018, 282 pp, ISBN 978-91-7790-202-7. Structural Engineering.

2018 Cristian Sabau: FRCM (Fabric-Reinforced Cementitious Matrix) – Composites for Strengthening Concrete Walls with Openings. Experiments and Numerical works. Nov. 2018, 258 pp, ISBN 978-91-7790-206-5. Structural Engineering.

2018 Panagiotis Manoleas: Between Square and Circle. A study on the behaviour of polygonal steel profiles under compression, ISBN 978-91-7790-221-8, 128 p, Steel Structures

2019 Yahya Ghasemi: Flowability and proportioning of cementitious mixtures. May 2019, 200 pp, ISBN: 978-91-7790-329-1. Structural Engineering.

2019 Faez Sayahi: Plastic Shrinkage Cracking In Concrete: Mitigation and Modelling. May 2019, 200 pp, ISBN: 978-91-7790-345-1. Structural Engineering.

2019 Anh Tuan Tran: Resistance of Cold-formed High Strength Steel Sections – Effect of cold-formed angle, ISBN 978-91-7583-932-5, 157p, Steel Structures.

2019 Joakim Sandström: The life safety objective in structural fire safety design, June 2019, ISBN: 978-91-7790-361-1, 172 p, Steel Structures.

2019 Abeer Mohammed Humad: Shrinkage and Related Properties of Alkali-Activated Binders Based on High-MgO Blast Furnace Slag. December 2019, ISBN 978-91-7790-470-0, 127 p. Building Materials.

Licentiate theses

1984 Lennart Fransson: Bärförmåga hos ett flytande istäcke. Beräkningsmodeller och experimentella studier av naturlig is och av is förstärkt med armering. 1984:012L. 137 p. (In Swedish). Structural Engineering.

1985 Mats Emborg: Temperature stresses in massive concrete structures. Viscoelastic models and laboratory tests. 1985:011L, May 1985. rev. Nov. 1985. 163 p. Structural Engineering.

- 1987 Christer Hjalmarsson:** Effektbehov i bostadshus. Experimentell bestämning av effektbehov i små- och flerbostadshus. 1987:009L, Oct. 1987. 72 p. (In Swedish). Structural Engineering.
- 1990 Björn Täljsten:** Förstärkning av betongkonstruktioner genom pålimning av stålplåtar. 1990:06L, May 1990. 205 p. (In Swedish). Structural Engineering.
- 1990 Ulf Ohlsson:** Fracture mechanics studies of concrete structures. 1990:07L, May 1990. 66 p.
- 1990 Lars Stehn:** Fracture toughness of sea ice. Development of a test system based on chevron notched specimens. 1990:11L, Sept. 1990. 88 p. Structural Engineering.
- 1991 Anders Sundin:** Accuracy and reliability of plane hybrid mixed elements for two-dimensional elasticity. 1991:02L. 118 p. Structural Mechanics.
- 1991 Annika Vallgren:** Self-adaptive solution algorithms for non-linear structural problems. 1991:03L. 124 p. Structural Mechanics.
- 1991 Leif Öhult:** Hur bygga i kallt klimat, 1991:05L, 98 p, Steel Structures.
- 1991 Agneta Wargsjö:** Plastisk rotationskapacitet hos svetsade stålbjälkar, 1991:15L, 131 p, Steel Structures.
- 1992 Mikael Nyström:** Numerical modelling of floating ice covers including anisotropy and inhomogeneity. 1992:03L. 78 p. Structural Mechanics
- 1992 Per Anders Daerga:** Some experimental fracture mechanics studies in mode I of concrete and wood. 1992:12L, Apr. 1992, rev. June 1992. 81 p. Structural Engineering.
- 1993 Henrik Gabrielsson:** Shear capacity of beams of reinforced high performance concrete. 1993:21L, May 1993. 109 p. Structural Engineering.
- 1995 Keivan Noghabai:** Splitting of concrete in the anchoring zone of deformed bars. A fracture mechanics approach to bond. 1995:26L, May 1995. 123 p. Structural Engineering.
- 1995 Gustaf Westman:** Thermal cracking in high performance concrete. Viscoelastic models and laboratory tests. 1995:27L, May 1995. 125 p. Structural Engineering.
- 1995 Katarina Ekerfors:** Mognadsutveckling i ung betong. Temperaturkänslighet, hållfasthet och värmeutveckling. 1995:34L, Oct. 1995. 137 p. (In Swedish). Structural Engineering.
- 1996 Patrik Groth:** Cracking in concrete. Crack prevention with air-cooling and crack distribution with steel fibre reinforcement. 1996:37L, Oct. 1996. 128 p. Structural Engineering.
- 1996 Hans Hedlund:** Stresses in high performance concrete due to temperature and moisture variations at early ages. 1996:38L, Oct. 1996. 240 p. Structural Engineering.
- 1996 Tomas Karlsson:** Finite element simulation of flow in granular materials. 1996:08L. 139 p. Structural Mechanics.
- 1997 Robert Tano:** Localization modelling with inner softening band finite elements. 1997:26L. 110 p. Structural Mechanics.
- 2000 Mårten Larson:** Estimation of crack risk in early age concrete. Simplified methods for practical use. 2000:10L, Apr. 2000. 170 p. Structural Engineering.
- 2000 Stig Bernander:** Progressive landslides in long natural slopes. Formation, potential extension and configuration of finished slides in strain-softening soils. 2000:16L, May 2000. 137 p. Structural Engineering in collaboration with Soil Mechanics and Foundation Engineering.
- 2000 Martin Nilsson:** Thermal cracking of young concrete. Partial coefficients, restraint effects and influences of casting joints. 2000:27L, Oct. 2000. 267 p. Structural Engineering.
- 2000 Erik Nordström:** Steel fibre corrosion in cracks. Durability of sprayed concrete. 2000:49L, Dec. 2000. 103 p. Structural Engineering.
- 2001 Anders Carolin:** Strengthening of concrete structures with CFRP – Shear strengthening and full-scale applications. 2001:01L, June 2001. 120 p. ISBN 91-89580-01-X. Structural Engineering.
- 2001 Håkan Thun:** Evaluation of concrete structures. Strength development and fatigue capacity. 2001:25L, June 2001. 164 p. ISBN 91-89580-08-2. Structural Engineering.
- 2001 Anders Stoltz:** Effektivare samverkansbroar. Prefabricerade farbanor med torra fogar, 2001:41L, 195 p., Steel Structures
- 2002 Patrice Godonue:** Preliminary design and analysis of pedestrian FRP bridge deck. 2002:18L. 203 p. Structural Engineering.
- 2002 Jonas Carlswård:** Steel fibre reinforced concrete toppings exposed to shrinkage and temperature deformations. 2002:33L, Aug. 2002. 112 p. Structural Engineering.
- 2002 Tomas Filipsson:** Shear Walls with double plasterboards: Evaluation of design models, 2002:26L, 104 p, Steel Structures.
- 2003 Emma Unosson:** Patch loading of stainless steel girders: experiments and finite element analyses, 2003:12L, 56 p, Steel Structures
- 2003 Sofia Utsi:** Self-compacting concrete – Properties of fresh and hardening concrete for civil engineering applications. 2003:19L, June 2003. 185 p. Structural Engineering.
- 2003 Anders Rönneblad:** Product models for concrete structures – Standards, applications and implementations. 2003:22L, June 2003. 104 p. Structural Engineering.

- 2003 Håkan Nordin:** Strengthening of concrete structures with pre-stressed CFRP. 2003:25L, June 2003. 125 p. Structural Engineering.
- 2004 Arto Puurula:** Assessment of prestressed concrete bridges loaded in combined shear, torsion and bending. 2004:43L, Nov. 2004. 212 p. Structural Engineering.
- 2004 Arvid Hejll:** Structural health monitoring of bridges. Monitor, assess and retrofit. 2004:46L, Nov. 2004. 128 p. Structural Engineering.
- 2004 Joakim Lundqvist:** Numerical simulation of tube hydroforming: adaptive loading paths. 2004:26L. 101 p. Structural Mechanics.
- 2005 Ola Enochsson:** CFRP strengthening of concrete slabs, with and without openings. Experiment, analysis, design and field application. 2005:87L, Nov. 2005. 154 p. Structural Engineering.
- 2006 Markus Bergström:** Life cycle behaviour of concrete structures – Laboratory test and probabilistic evaluation. 2006:59L, Dec. 2006. 173 p. ISBN 978-91-85685-05-9. Structural Engineering.
- 2007 Thomas Blanksvärd:** Strengthening of concrete structures by mineral based composites. 2007:15L, Mar. 2007. 300 p. ISBN 978-91-85685-07-3. Structural Engineering.
- 2008 Peter Simonsson:** Industrial bridge construction with cast in place concrete: New production methods and lean construction philosophies. 2008:17L, May 2008. 164 p. ISBN 978-91-85685-12-7. Structural Engineering.
- 2008 Anders Stenlund:** Load carrying capacity of bridges: Three case studies of bridges in northern Sweden where probabilistic methods have been used to study effects of monitoring and strengthening. 2008:18L, May 2008. 306 p. ISBN 978-9185685-13-4. Structural Engineering.
- 2008 Anders Bennitz:** Mechanical anchorage of prestressed CFRP tendons – Theory and tests. 2008:32L, Nov. 2008. 319 p. Structural Engineering.
- 2008 Gabriel Sas:** FRP shear strengthening of RC beams and walls. 2008:39L, December 2008. 107 p. Structural Engineering.
- 2008 Wyllyam Husson:** Friction Connections with Slotted Holes for Wind Towers, 2008:45 L, 213 p, Steel Structures
- 2010 Tomas Sandström:** Durability of concrete hydropower structures when repaired with concrete overlays. Feb. 2010. 179 p. ISBN 978-91-7439074-2. Structural Engineering.
- 2013 Johan Larsson:** Mapping the concept of industrialized bridge construction: Potentials and obstacles. Jan. 2013. 66 p. ISBN 978-91-7439-5433. Structural Engineering.
- 2013 Jonny Nilimaa:** Upgrading concrete bridges: Post-tensioning for higher loads. Jan. 2013. 300 p. ISBN 978-91-7439-546-4. Structural Engineering.
- 2013 Katalin Orosz:** Tensile behaviour of mineral-based composites. May 2013. 92 p. ISBN 978-91-7439-663-8. Structural Engineering.
- 2013 Peter Fjellström:** Measurement and modelling of young concrete properties. May 2013. 121 p. ISBN 978-91-7439-644-7. Structural Engineering.
- 2014 Majid Al-Gburi:** Restraint in structures with young concrete: Tools and estimations for practical use. Sept. 2014. 106pp. ISBN 978-91-7439977-6. Structural Engineering.
- 2014 Tarek Edrees Saaed:** Structural identification of civil engineering structures. Nov. 2014. 135 p. ISBN 978-91-7583-053-7. Structural Engineering.
- 2014 Niklas Bagge:** Assessment of concrete bridges: Models and tests for refined capacity estimates. Dec 2014. 132 p. ISBN 978-91-7583-1630. Structural Engineering.
- 2015 Cosmin Popescu:** FRP strengthening of concrete walls with openings. Dec. 2015. 134 p. ISBN 978-91-7583-453-5. Structural Engineering.
- 2016 Faez Sayahi:** Plastic Shrinkage Cracking in Concrete. Dec. 2015. 134 p. ISBN: 978-91-7583-678-2. Structural Engineering.
- 2016 Jens Häggström:** Evaluation of the load carrying capacity of a steel truss railway bridge: testing, theory and evaluation. Dec. 2016. 139 p. ISBN: 978-91-7583-739-0. Structural Engineering
- 2017 Yahya Ghasemi:** Aggregates in concrete mix design. Mar. 2017. 60 p. ISBN: 978-91-7583-801-4. Structural Engineering
- 2017 Anders Hösthagen:** Thermal Crack Risk Estimation and Material Properties of Young Concrete. Oct. 2017. 5 pp. ISBN: 978-91-7583-951-6. Structural Engineering
- 2019 Ilda Tole:** Mechanical Activation of Clay. A novel route to sustainable cementitious binders. ISBN 978-91-7790-472-4, 115 p, Building Materials
- 2019 Magdalena Rajczakowska:** Self-Healing Concrete. ISBN 978-91-7790-491-5, 103 p, Building Materials.
