

Curriculum vitæ

CONTACT

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Research: [Personal research page](#)



ACADEMIC POSITIONS

2024- Associate Professor in Structural Design and Construction Engineering
 2017-2024 Associate Professor in Structural Engineering and Concrete Structures
 Department of Architecture and Civil Engineering, Chalmers University of Technology, Göteborg, Sweden
 Construction Engineering

INDUSTRIAL POSITIONS

2015- Associate Professor, Senior Researcher, Structural Engineer
 Division of Research & Development, NCC, Sweden

ACADEMIC DEGREES

2017 Associate Professor, Dep. of Architecture and Civil Engineering, Chalmers
 2013 Diploma of higher education, Chalmers
 2009-03-18 PhD, Dep. of Environmental and Civil Engineering, Chalmers
 2006 Tec.Lic., Dep. of Civil Engineering, Chalmers
 2004 M.Sc., Dep. of Civil Engineering, Chalmers
 2001 B.Sc., Dep. of building technology, Högskolan i Halmstad

UNIVERSITY POSITIONS

2019-2025 Director of Graduate Studies of the research school of Civil Engineering at Chalmers University of Technology

GRADING COMMITTEE AND OPPOSITION

Iván Antonio Negrín Díaz, 'Metaheuristic optimization for the sustainable and resilient design of hybrid and composite frame building structures with advanced integrated modeling', Universitat Politècnica de Valencia, Spain, 19th December 2025, PhD grading and opposition
 Mehrdad Hadizadeh Bazaz, 'Inclusion of damage detection methods for the sustainable life cycle design of bridges in aggressive environments', Universitat Politècnica de Valencia, Spain, 12th February 2025, PhD grading and opposition
 Vanessa Saback, 'Digital Twins for Asset Management of Civil Structures: Perceived Potential and Practical Applications', Luleå University of Technology, 17th of September 2024, PhD grading
 Ida Samuelsson, 'LCA and LCCA in the design of geotechnical engineering works', KTH Royal Institute of Technology, 5th April 2023, Lic. opposition
 Zhi Wu Zhou, 'Life cycle optimization analysis of bridge sustainable development', Universitat Politècnica de Valencia, Spain, 13th January 2023, PhD grading and opposition
 Vanessa Saback, 'Digital Twins for Asset Management of Structures', Luleå University of Technology, 17th November 2022, Lic. opposition
 Andreas Sjölander, 'Structural behaviour of shotcrete in hard rock tunnels', KTH Royal Institute of Technology, Sweden, 20th of June 2020, PhD grading
 Vicent Penades Pla, 'Life-cycle sustainability design of post-tensioned box-girder bridge obtained by metamodel-assisted optimization and decision-making under uncertainty', Universitat Politècnica de Valencia, Spain, 12th March 2020, PhD grading and opposition

Wael Mahmoud Mohamed Mohamed, 'Onshore windmill foundations - evaluation of new proposals', Lund University, Sweden, 26th January 2018, PhD grading

CO-SUPERVISOR OF
PHD:S

Ulrika Nyström, Defended 2013, Chalmers
David Fall, Defended 2014, Chalmers
Jonas Ekström, Defended 2017, Chalmers
Gonzalo Sanz-Diez, PhD, Defended 2019, University of Madrid
Lars Jacobsson, Industry PhD, SP Technical Research Institute of Sweden, 2015 -
Anna af Hellström, PhD, Chalmers University of Technology, Defended 2023
Nadina Demic, PhD, Norwegian University of Science and Technology, 2021 -
August Jansson, PhD, Chalmers University of Technology, 2021 -
Christoffer Rönndahl, PhD, Chalmers University of Technology, 2022 -
Anna Teike, Industry PhD, Swedish Transport Administration, 2024 -

MAIN SUPERVISOR
OF PHD:S AND
POST-DOC:S

Viktor Eriksson, Industry PhD, ELU, 2025 -
Alexander Kjellgren, Industry PhD, SKANSKA, 2024 -
Linda Cusumano, Industry PhD, NCC Sweden, Defended 2026, Chalmers
Johan Lagerkvist, Industry PhD, Swedish Transport Administration, Defended 2025,
Chalmers
Alexandre Mathern, Industry PhD, NCC, Defended 2021, Chalmers
Daniel Ekström, Industry PhD, WSP, Defended 2019, Chalmers
Post-doc Carlos Gil, 2017 - 2020, Chalmers
Post-doc Kristine Ek, 2017 - 2020, Chalmers

INTERNATIONAL
COUNCILS,
COMMISSIONS AND
WORK GROUPS

2019 - Present. Committee Chair, IABSE TG1.7, Sustainability-driven Bridge Engineering for Early Design Phases [IABSE TG1.7](#)
2016 - 2018. Researcher in the EU-project: Streamer. Grant Agreement number: 608739. www.streamer-project.eu
2015 - 2019. Committee Co-Chair and responsible author for The Research Road Map, CEB Task Group 90 IICON - Information Integration in Construction.
2014 - Present, Commission member and author. EuroCode revision commission that revise the European norm for construction.
2011 - Present, Committee member, CEN TC250/SC2/WG1/TG8 Design for fatigue of concrete structures
2011 - 2013. Coordinator of the EU-project: Flexible Processes and Improved Technologies for Urban Infrastructure Construction Sites. Grant Agreement no:265172.
2011 - 2013 Researcher in the EU-project: Tailorcrete. Grant Agreement number: 228663.
2008 - 2011, FIB (CEB-FIP), International Federation for Structural Concrete. Commission member and author of Model Code 2010.

NATIONAL
COUNCILS,
COMMISSIONS AND
WORK GROUPS

2026 - Present The Swedish Concrete Association's Council for Sustainability and Structural Design
2022 - 2024, Committee Chair, Structural Engineering Center, Chalmers University of Technology
2022 - Present, Committee Vice Chair, Brosamverkan (Swedish Association of Bridge Engineering)
2019 - Present, Committee delegate SBUF research council
2015 - Present, Research Chair offshore wind energy research of Sweden and research council member. SWPTC - Swedish Wind Power Technical Center.
2014 - Present, Committee Member. SIS technical commission that discusses national deviation and interpretation of construction norms.

RESEARCH GRANTS

AS MAIN

APPLICANT AND

SCIENTIFIC

RESPONSIBLE

List of grants

2025 SBUF, Swedish Construction Industry Development fund 'Climate and productivity potentials of fibre reinforced post-tensioned concrete', SEK 1.7 million

2025 Swedish Transport Administration, 'Impact and effect assessment of the climate requirements regarding concrete for transport infrastructure', SEK 0.9 million

2024 Swedish Transport Administration, 'Upgrading of Load Carrying Capacity for the Road Transport Network', SEK 5.1 million

2024 Swedish Transport Agency, 'Study of interacting concrete rock structural system for large spanned tunnels', SEK 8.1 million

2023 SBUF, Swedish Construction Industry Development fund 'Data-informed design and production planning with AI', SEK 2.8 million

2023 SBUF, Swedish Construction Industry Development fund 'Potential of artificial intelligence in infrastructure projects', SEK 4.6 million

2022, SBUF, Swedish Construction Industry Development fund 'Fiber-reinforced and post-tensioned concrete - climate effectiveness, SEK 1.7 million

2022, SBUF, Swedish Construction Industry Development fund 'Methods for crack control of concrete during hardening' SEK 1 million

2021, SBUF, Swedish Construction Industry Development fund 'Data-informed design and production planning with AI', SEK 3.4 million

2020, Swedish Transport Administration 'IBridge 2.0', SEK 6.4 million.

2019, Swedish Transport Administration 'Performance requirements', SEK 0.5 million.

2019, Smart Built Environment 'Augmented reality for bridge inspections', SEK 3 million.

2019, Swedish Energy Administration 'Methods and Materials for wind power plants', SEK 9 million.

2018, Smart Built Environment 'Sustainability driven structural design with Artificial Intelligence', SEK 0.7 million.

2018, Swedish Transport Administration 'Early Contractor Involvement', SEK 4.3 million.

2017, Vinnova 'Set-based design', SEK 6.5 million.

2017, Swedish Transport Administration 'sensIT', SEK 3.5 million.

2015, Swedish Energy Administration 'ISEAWIND', SEK 10 million.

2013, Swedish Transport Administration 'IBridge', SEK 5 million.

2011, Swedish Civil Contingencies Administration 'Fibre reinforced concrete subjected to impact loading', SEK 5 million.

2011, Seventh framework programme Theme ENV.2010.3.1.5-1. Grant agreement no:265172, EUR 3.5 million.

2006, FORMAS: Fracture mechanics of concrete structures - fatigue loading. D.nr.:243-2005-1566, SEK 3 million.

GRADUATE
TEACHING

2009, 2010 BSc Structural Engineering 1 - Examiner and Main lecturer
 2010 MSc Timber Engineering - Examiner and Main lecturer
 2010-2014 BSc Bridge Engineering - Examiner and Main lecturer
 2010-2014 BSc Bridge Construction - Examiner and Main lecturer
 2011 BSc Steel and Timber Engineering - Examiner and Main lecturer
 2012 BSc Structural Mechanics - Examiner and Main lecturer
 2012 BSc Solid Mechanics - Examiner and Main lecturer
 2012 BSc Structural Engineering 2 - Examiner and Main lecturer
 2012-2014 MSc Structural Systems - Examiner and Main lecturer

DEVELOPED PHD
COURSES FOR
CIVIL
ENGINEERING
SCIENCE

Over the past decade, I have developed and conducted PhD courses focusing on research methodology, specifically tailored for structural and civil engineering doctoral candidates. These courses aim to enhance PhD students' ability to design, conduct, and analyze research using both qualitative and quantitative methods. Each course consists of six modules, delivered through lectures, group discussions, and individual assignments. The courses emphasize a combination of theoretical foundations, methodological considerations, and practical applications using relevant statistical and analytical tools. Active participation is required, and assessment is based on the completion of a draft method section for an international scientific journal. The courses align with the Swedish Higher Education Ordinance, ensuring that students develop critical thinking, methodological skills, and academic writing abilities.

Developed courses**1. Design and Analysis of Experiments (5 ECTS, 2020)**

This course introduces key concepts in experimental design and statistical analysis for structural engineering research.

Covers the principles of designing experiments, executing them, and analyzing data quality. Focus on factorial design methods, regression analysis, ANOVA, and response surface methodology. Includes hands-on training with statistical software (e.g., R) for data visualization and analysis. Learning outcomes include the ability to assess experimental designs and apply appropriate statistical methods critically.

2. Qualitative Research Methods (5 ECTS, 2020)

This course comprehensively introduces qualitative research methodologies in structural and civil engineering.

Covers research strategies such as case studies, longitudinal studies, and action-oriented research. It focuses on data collection methods, including interviews, participant observation, and document analysis. Emphasizes methodological rigour, data validity, and qualitative data analysis techniques. Students develop skills in using qualitative research software and writing scientifically in the qualitative research domain.

3. Quantitative Research Methods (5 ECTS, 2021)

This course provides an in-depth understanding of quantitative research methods, with a strong focus on statistical inference and data analysis.

Covers survey design, data collection strategies, sampling methods, and error analysis. Introduces statistical modelling, hypothesis testing, confidence intervals, and multivariate analysis. Explores data visualization and analytics using R and other statistical tools. Focuses on practical applications of statistical methods in engineering research.

4. Research Proposal (7.5 ECTS, 2018)

This course has been designed as an early onboarding course that supports the PhD student in developing his/her individual research proposal. The intention is that the

sessions should be performed as workshops by the PhD student, the supervisors and other involved senior advisors. The course ends with a draft of the research proposal and a seminar to discuss the proposal.

Focus should be on identifying and motivating the research problem and the relevance of the research project (i.e., the three first issues outlined below). The research proposal should not be on the detailed design of studies and analyses. The methodological approach and idea should, however, be mentioned. The research proposal should ideally be presented within six months at a seminar at the department. RP can have somewhat different content and structure depending on the research topic and the traditions of the actual research group.

5. Publication process - Scientific Review (3 ECTS, 2019)

Doing research includes taking part in and contributing to the research community of the specific research field. One significant contribution is the peer review of scientific articles. Peer review is designed to assess the validity, quality and often the originality of articles for publication. Its ultimate purpose is to maintain the integrity of science by filtering out invalid or insufficient quality articles. This course purpose is to prepare and practice peer-review in a supervised setting.

6. Systems Engineering - Introduction (5 ECTS, 2022)

Systems Engineering is a rather new approach within the field of Civil Engineering. The theory systemizes processes to identify project/process activities and their related verification and validation activities. It is of interest for PhD within Civil Engineering to understand Systems Engineering and its potential in their specific field.

SUPERVISED AND EXAMINED MSc & BSc THESES

Over the past years, I have supervised numerous BSc and MSc theses in the fields of structural engineering, civil engineering, and construction management. These projects have covered a wide range of topics, including experimental and numerical analysis, optimization, sustainability, procurement strategies, and the application of advanced computational methods. The research conducted in these theses has contributed to the development of innovative design methodologies, improved structural performance, and enhanced construction processes.

Selected Topics of Supervised Theses

1. Structural Optimization and Computational Methods

Several of the theses I have supervised focus on applying optimization techniques and computational methods in structural engineering. These include studies on the prerequisites for using genetic algorithm optimization in the conceptual design phase of structural systems (2024) and the grouping and optimization of slab frame bridges through a multi-criteria set-based design approach (2024). Research on the multi-objective optimization of prefabricated slabs using parametric design methods (2021) has improved efficiency in structural elements. Additionally, I have supervised work on structural artificial intelligence health monitoring systems (SAIHMS) (2021) and the development and implementation of set-based design principles for frame bridges (2020). Numerical analysis has also been a key focus, as seen in a thesis on wind power plant foundation design using advanced computational methods (2014).

2. Experimental Studies and Material Science

Many of the supervised theses involve experimental research and material investigations to enhance the understanding of structural performance. One study conducted in 2024 investigated the fibre-reinforced post-tensioned anchorage zone through an experimental comparison of reinforcement configurations. Other studies include an assessment and comparative study of design methods for onshore wind power plant foundations (2017) and a finite element modelling approach to early-age thermal

cracking in concrete (2016). Experimental validation has been explored in studies such as the three-point bending tests of fibre-reinforced concrete (2016) and the application of deep machine learning for structural health monitoring of concrete elements (2019). Research has also focused on fibre-reinforced concrete beams and slabs, particularly in design and performance analysis (2011).

3. Sustainable and Innovative Construction

Sustainability and innovation in construction have been central themes in multiple theses. A thesis from 2022 examined sustainability-driven procurement of building projects, identifying key incentives and driving factors from a client's perspective. Another study in 2022 investigated methods for optimizing productivity and minimizing climate impact in complex tunnelling projects. In 2020, a thesis explored data-informed building procurement, where contractors assessed embodied-carbon targets for more sustainable decision-making. Additional research has focused on bridging sustainability and buildability in infrastructure projects (2020) and the adoption of life cycle cost analysis in the early design phases of road bridges (2016).

4. Bridge and Infrastructure Engineering

Bridge and infrastructure engineering is another significant research area in my supervision. In 2024, one study examined how set-based design can improve requirement definition in the bridge procurement process. AI-supported bridge tendering has been a key focus, particularly in a 2020 thesis that investigated processes for transforming data to enhance decision-making in tendering. A comparative analysis of FIDIC contracts and their application in Sweden was conducted in a 2021 study. Other research has explored critical success factors for efficient bridge construction (2015) and preliminary design methods for floating offshore wind turbine substructures compared with fixed substructures (2023). Additionally, a thesis from 2011 addressed the fatigue assessment of concrete foundations for wind power plants, contributing to the understanding of durability in offshore structures.

5. Construction Management and Digitalization

Several theses have examined digitalization and its impact on construction management. A study from 2017 investigated virtual teams, early contractor involvement (ECI), and building information modelling (BIM) within the Swedish construction industry. In 2014, research focused on the applicability of set-based design in structural engineering. A 2013 thesis explored the integration of systems engineering in the construction tendering process, while another study in 2011 examined how facility management requirements can be incorporated into the design process using BIM. Additionally, a study from 2011 analyzed potential improvements in the reinforcement process through the implementation of BIM, highlighting its impact on efficiency and quality control in construction projects.

List of supervised theses in the graduate school

- [1] **2025a.** "Utvärdering av korroderade betongpålar i hamnkonstruktioner". swe.
- [2] **2025b.** "Early-Stage Design of Concrete Girder Bridges Using Set-Based Design: Parametric Exploration of Design Alternatives Considering CO2 Emissions, Cost, and Buildability". eng.
- [3] **2025c.** "Sensorbaserad verifiering av renoverade betongkonstruktioner". swe.
- [4] **2025d.** "Bridging AI readiness and application: Prototyping a strategy-aligned language model for quality insights at Skanska. A comprehensive study of organizational AI maturity, applied NLP development, and scalable implementation in construction quality management". eng.
- [5] **2025e.** "The Swedish Transport Administration's Climate Requirements in the Procurement of Infrastructure and Bridge Projects". en. *MSc*.
- [6] **2025f.** "The Swedish transport administration's climate requirements in the procurement of infrastructure and bridge projects". eng.

- [7] **2025g.** “AI in Construction Management: Preparedness and potential. A case study on implementing a predictive machine learning framework for construction project scheduling”. eng.
- [8] **2025h.** “AI in Construction Management: Preparedness and potential. A case study on implementing a predictive machine learning framework for construction project scheduling”. eng.
- [9] **2025i.** “Conceptual design of bridges suitable for rurally isolated areas: Development of a conceptual design process for bridges in rural Rwanda”. eng.
- [10] **2025j.** “Dynamic and static response of beam-rika hyperbolic paraboloid concrete elements”. *MSc*.
- [11] **2025k.** “Making the right contract choice: A study of AB 04 and ABT 06 in office construction procurement in Gothenburg”. eng.
- [12] **2025l.** “Materialvalens påverkan i en byggnadsstomme: En parametrisk studie av klimatpåverkan och vikt i trä, stål och betong”. swe.
- [13] **2024a.** “Fibre-reinforced post-tensioned anchorage zone An experimental comparison of reinforcement configurations”. eng. *MSc*.
- [14] **2024b.** “Set-Based Design: A Method for Improving Requirement Definition in the Bridge Procurement Process: How Set-Based Design Can Manage Uncertainty in the Preliminary Design Phase and Procurement of Frame Bridges”. eng. *MSc*.
- [15] **2024c.** *Prerequisites for Using Genetic Algorithm Optimization of Structural Systems in the Conceptual Design Phase.*
- [16] **2024d.** *Grouping and optimization of several slab frame bridges An analytic and parametric multi-criteria Set-Based Design of several slab frame bridges with a focus on grouping and optimization based on investment cost, environmental impact, and buildability.*
- [17] **2023c.** “Offshore Wind Turbine Substructures at Intermediate Sea Depths Preliminary design of a floating substructure and comparison with a fixed substructure”. eng. *MSc*.
- [18] **2023d.** “Set-Based Multi-Criteria Optimization of Slab Frame Bridges A Study on the Implementation of a Set-Based Multi-Criteria Optimization Algorithm on Slab Frame Bridges, considering Investment Cost, Environmental Impact and Buildability”. eng. *MSc*.
- [19] **2022a.** “Sustainability Driven Procurement of Building Projects Incentives and Driving Factors from the Client s’ Perspective”. *MSc*.
- [20] **2022b.** “Optimising Productivity and Climate Impact in Complex Tunnelling Projects”. *MSc*.
- [21] **2021a.** “Optimal time for contractors to enter infrastructure projects A case study of a Swedish ECI project Master ’ s thesis in Design and Construction Project Management”. *MSc*.
- [22] **2021b.** “Evaluation of the Influence of Fatigue in Preliminary Design of Road Bridges”. *MSc*.
- [23] **2021c.** “Multi-objective optimization of prefabricated slabs A case study in parametric design”. *MSc*.
- [24] **2021d.** “Structural Artificial Intelligence Health Monitoring System - SAIHMS”. eng. *MSc*.
- [25] **2021i.** “Comparison between the use of FIDIC contract internationally and in Sweden”. *MSc*, p. 85.
- [26] **2020a.** “AI-Supported Bridge Tendering A Process for Transforming Data for Improved Decision Making in Tendering”. *MSc*.
- [27] **2020b.** “Bridging Sustainability and Buildability in Infrastructure Projects”. *MSc*, p. 60.
- [28] **2020c.** “Set-Based Design of Frame Bridges Development and Implementation”. *MSc*, p. 58.
- [29] **2020d.** “Data-informed Building Procurement : A contractor exploration on embodied-carbon targets”. *MSc*, p. 104.
- [30] **2019.** “Structural Health Monitoring of Concrete Elements Using Deep Machine Learning”. eng. *MSc*.

- [31] **2017a.** “Assessment and comparative study of design method for onshore wind power plant foundations”. eng. *MSc.*
- [32] **2017b.** “Virtual Teams, Virtual ECI & BIM: A Multiple Case Study in the Swedish Context”. eng. *MSc.*
- [33] **2016a.** “Early-Age thermal cracking in concrete - A FE-modelling approach”. *MSc.*
- [34] **2016b.** “Tre-punkts balkförsök av fiberarmerad betong”. swe.
- [35] **2016c.** “Adoption of Life Cycle Cost Analysis in Early Design Phases of Road Bridges”. *MSc.*
- [36] **2016d.** “Assessment of simulation codes for offshore wind turbine foundations”. *MSc.*
- [37] **2015a.** “Vägbro vid Ulricehamnsmotet - -Idéutveckling och preliminärdimensionering av brokoncept över väg 40”.
- [38] **2015b.** “Meso mechanical study of concrete - Numerical modelling with experimental verification”. eng. *MSc.*
- [39] **2015c.** “Towards Pedestrian Graphene Bridges A dynamic analysis and evaluation”. *MSc.*
- [40] **2015d.** “Över Viskan med Stil”. swe.
- [41] **2015e.** “Förstudie till bro över väg 40 - Hössnamotet”. swe.
- [42] **2015f.** “Preliminärdimensionering av plattrambroar med parallelliserade FEM-analyser enligt SBD”.
- [43] **2015g.** “Critical success factors for efficient bridge construction”. *MSc.*
- [44] **2015h.** “Armeringslösningar med hänsyn till genomstansning i delvis prefabricerade betongbjälklag- En jämförelsestudie”. swe.
- [45] **2014a.** “Ulricehamnsmotet - Framtagande och beräkningar av ett hållbart broförslag.” swe.
- [46] **2014b.** “A comparative study of theoretical approaches describing the design process for structural engineers and architects”. *MSc.*
- [47] **2014c.** “Numerical Analysis of Wind Power Plant Foundations”. *MSc.*
- [48] **2014d.** “Motorvägsbro över Karlsnäs industriområde - Konceptuell design och preliminär beräkning av överbyggnad”. swe.
- [49] **2014e.** “Motorvägsbro över ån Ätran i Ulricehamn - Konceptuell design och dimensionering av brokoncept”. swe.
- [50] **2014f.** “Gemensamma projekteringskontor - En plats för att förbättra samarbetet i projekt”. swe.
- [51] **2014g.** “Beräkningsverktyg för dimensionering av fiberarmerade plaster”.
- [52] **2014h.** “Analys och beräkning av rörbro - med syftet att främja standardisering av motorvägsöverfarter”. swe.
- [53] **2014i.** “Applicability of Set-Based Design on Structural Engineering”. *MSc.*
- [54] **2013a.** “Motorvägsbro över väg 1820 - – Projektering och dimensionering av ett brokoncept”. swe.
- [55] **2013b.** “Transient FE-modelling of wood cells exposed to steam explosion - Strain rate effects and deformation mechanism”. eng. *MSc.*
- [56] **2013c.** “Implementation of Systems Engineering on the Construction Tendering Process”. *MSc.*
- [57] **2013d.** “Projektering av motorvägsbro över Ätran i Ulricehamn - Konceptuell design och preliminär dimensionering”. swe.
- [58] **2013e.** “Prefabricated Foundation for Wind Power Plants”. *MSc*, p. 271.
- [59] **2013f.** “Integrated work of the CAD-technician and the structural engineer”. *MSc.*
- [60] **2013g.** “Problems regarding the design and execution of free form concrete structures according to Eurocodes”.
- [61] **2013h.** “En jämförelse mellan traditionell och modern taktäckning av industribyggnader”.
- [62] **2012a.** “Skador hos betongöverbyggnader för spårväg”.
- [63] **2012b.** “Uppfyller BIM förväntningarna som arbetsmetod för broprojekt?”
- [64] **2012c.** “Beräkningsmedel för analys av lokal buckling i slanka stålkonstruktioner”.

- [65] **2012d.** “Three-dimensional strut-and-tie modelling of wind power plant foundations”. *MSc.*
- [66] **2012e.** “Metodik för optisk mätning av sprickbildning i dragen betong på mesonivå”. *MSc.*
- [67] **2012f.** “Integrerad arbetsprocess mellan projektör och konstruktör, För effektiv och kvalitetssäker projektering med Tekla Structures och SAP2000”. *MSc.*
- [68] **2011a.** “Design of Fibre Reinforced Concrete Beams and Slabs”. *MSc.*
- [69] **2011b.** “Fatigue Assessment of Concrete Foundations for Wind Power Plants”. *MSc.*
- [70] **2011c.** “How to adopt the desires and requirements from the Facility Management in the design process with help of BIM”. *MSc.*
- [71] **2011d.** “Potential improvements of the reinforcement process by implementation of BIM”. *MSc.*
- [72] **2011e.** “Bestämning av materialegenskaper för trä, Röntgen, en oförstörande metod”. swe. *BSc.*
- [73] **2010a.** “Materialegenskaper för kolfiberförstärkt trä under tryckbelastning - Försök och utvärdering”. swe. *MSc.*
- [74] **2010b.** “Strut-and-tie modelling of reinforced concrete pile caps”. *MSc.*
- [75] **2010c.** “Building information modeling potential in the Swedish bridge sector”. *MSc.*
- [76] **2010d.** “Höga hus med trästomme i Göteborg - attityd och teknik”. *MSc.*
- [77] **2010e.** “BIM för broprojektörer. En fallstudie”. swe. *MSc.*
- [78] **2010f.** “State of the art report on the flow of information in a bridge life cycle”. eng. *MSc.*
- [79] **2010g.** “Fatigue Assessment Methods for Reinforced Concrete Bridges in Eurocode. Comparative study of design methods for railway bridges”. *MSc.*
- [80] **2006a.** “Fatigue in Plain Concrete Phenomenon and Methods of Analysis”. *MSc.*
- [81] **2006b.** “Evaluation of WST Method as a Fatigue Test for Plain and Fiber-reinforced Concrete - experimental and numerical investigation”. *MSc.*