CURRICULUM VITAE
LAWRENCE "LARRY" HENESEY

1. PERSONAL INFORMATION

Birth date: 1970-02-05
Place of birth: Richmond, Virginia, USA
Nationality: Kingdom of Sweden
Address: La Plage Residence # 6, Dubai, UAE / Blåbärsstigen 1, 37440 Karlshamn, Sweden
Phone: +971 56684 7523 / + 46 (0)706 009809, **E-mail:** Lawrence.henesey@gmail.com

2. EDUCATION

2.1 COMPLETED DEGREES

(2006)   **PhD in Computer Science** at Blekinge Institute of Technology, Karlskrona, Sweden.
Title of thesis: *"Multi-Agent Systems for Container Terminal Management".*
Research and work performed in cooperation with TTS Port Equipment AB. Advisor: Prof. Paul Davidsson (for thesis see Appendix 2).

(2004)   **Lictentiate** in Engineering (Computer Science) at Blekinge Institute of Technology, Karlshamn, Sweden. Title of thesis: *"Enhancing Container Terminal Performance: A Multi Agent Systems Approach".* Research and work performed in cooperation with COSMOS NV, Hutchison Port Holdings – Felixstowe, UK and Karlshamns hamn., Sweden Advisor: Prof. Paul Davidsson.

(1999)   **Master of Science, Cum Laude in International Transport and Maritime Management** at the University of Antwerp (ITMMA), Antwerp, Belgium. Title of thesis: : Short Sea Shipping between the UK with Rotterdam, Antwerp, and Zeebrugge. Recipient of Libertas Humanitas award for 1999.

(1993)   **Bachelor of Science in International Studies, Business and Information technology. Minors: Spanish and Political Science** at Old Dominion University, Norfolk, Virginia USA.

2.2 ADDITIONAL EDUCATION

(2011)   Project Sales (36 hours) - Selling of complex projects at Teknologisk Institut, Stockholm, Sweden.

(2010)   Pedagogy for University Lecturers (15 credit) at Chalmers University, Göteborg, Sweden (FLUS).

(2005)   Summer course on Supply Chain Management (7,5 ECTS) at Molde University, Molde, Norway.

(2004)   Executive course on Public Private Partnerships in Ports (7.5 ECTS)- Structures, Pricing, Funding and Performance Measurements at University of Antwerp, Antwerp, Belgium.

(2002)   European Agent Systems Summer School at Cataluyna University (7,5 ECTS), Barcelona, Spain.

(2003)   European Agent Systems Summer School at University of Bologna (7,5 ECTS), Bologna, Italy.

(1997)   Master of Arts International Relations (Research Methodology 3 credits, International Relations 3 credits, Political Economy 3 credits), Old Dominion University, Norfolk, Virginia, USA.

(1996)   HAZMAT training (45 hours), Evergreen America Shipping, Norfolk, Virginia, USA.

(1992)   University courses in the following: Accounting (3 credits), History (3 credits), and Mathematics (3 credits), at Thomas Nelson Community College, Hampton, Virginia, USA.

2.3 CONTINUING EDUCATION

(2018-)   **Master of Science in Business Administration (MBA)** at Blekinge Institute of Technology, Karlskrona, Sweden. Currently studying on my thesis and two courses to be completed summer 2019.

(2002-)   **Institute of Chartered Ship Brokers** at London, UK

Completed Economics of Sea Transport & International Trade, Shipping Business, Dry Cargo Chartering, Legal Principles in Shipping Business, Liner Agency, Port and Terminal Management, Port Agency, Ship Operations & Management, Logistics & Multi-modal Transport. Only course left to pass exam: Shipping Law.

3. WORK EXPERIENCE

3.1 ACADEMIC WORK EXPERIENCE

(2000-2006)
- 100%

Asst. Professor Computer Science, Blekinge Institute of Technology, Karlshamn, Sweden. Acclaimed university in the areas of telecommunications, software engineering (ranked #6 in the world) and artificial intelligence. Strong connections to industry leaders

(2006-2015)
- 25 -50%

(2015- pres)
- 100%

Responsibilities / Achievements:

- Educated and supervised 50+ Master students on various areas of container terminal operations or container shipping. Several of the graduated students are employed in the container terminal industry as IT managers, software engineers, project managers, etc.
- Developed an educational program focusing on intelligent transportation systems for master students with over 3500+ students taught from over 90 nations.
- Membership in IEEE, ACM – Association of Computing Machinery, SAIS- Scandinavian Artificial Intelligence Society.
- Senior Researcher – drafting research proposals and winning grants from regional, national and European Union funding agencies. EU projects involved: OVERSIZE BALTIC, EAST-WEST Transport Corridor, MarTech LNG, BalticGateway, GoLNG, CTCC (Creative Traditional Companies Cooperation), Connect2Ports, SECMAR, and SYMPHONY.
- Regularly presents research or invited speaker to academic conferences.
- Active in research on Container Terminal Simulation and Operations that has resulted in two books and over 90+ publications.
- Examiner and Lecturer for the following master courses: Intelligent Decision Support Systems, Knowledge Engineering and Management, Master Thesis Supervision and Artificial Intelligence.
- International Coordinator for the department from 2006-2011. Processing International students that were admitted to the university and assisting them in choosing courses and programs

3.2. INDUSTRIAL WORK EXPERIENCE

(2019 –)
Group Onboarding Manager, MARCURA, Dubai, UAE
Implementation of new customers across the group. Project manage onboarding. Engage with customer stakeholders and collaborate with technical resources to effectively empower and train customers on using Marcura platform. Front line to the customer and advocate business use-cases to product development.

Responsibilities / Achievements:
- Work with ML -machine learning based software tool that incorporates elements of Knowledge Engineering. Managed a team located in two countries (Dubai and Mumbai) while acting as the face of various services across the group.
- Post implementation reviews with customers
- Established routines on SalesForce CRM tool to increase the delivery time that customers would be onboarded.
- Effectively developed and established engaging training and workshops
- Communicated with customer in identifying and understanding service quality issues and improve customer focus.

(2012 -)
Principal, Owner, SIMPORT AB, Karlshamn, Sweden.
Consultancy contracted for business development, marketing, technology and research. Applied science to container terminal industry, e.g., simulation, computer visualization 2D or 3-D, Knowledge Engineering, Intelligent Decision Support Systems design.

Responsibilities / Achievements:
- Developed Business strategy for mobile Electric and Data Transmission equipment for Port and Container Handling market.
- Organised client meetings from a list of Identified terminals and clients.
- Pilot work for novel container handling Yard system that has assisted the client to make 3 patents.
- Pre-study on application of Blue Tooth® technology in tracking containers.
- Yard layout and sales activities in electrifying RTGs.
- Collaboration with ISL –Applications GmbH on simulation and emulation software for port and terminal operations.

(2013 - 2014)   **Key Account Manager**, Vahle GmbH, Kamen, Germany.
Provider of electric mobility since 1912. Focusing on providing electric and data transmission solutions for port and container terminal, specifically Electrified Rubber Tyred Gantry Cranes.
Responsibilities / Achievements:
- Developed 3 year Business Strategy Plan that was accepted by the board and is currently being implemented.
- Delivering conceptual solutions for AUTOMATION in container terminals via R&D projects.
- Identifying potential sales targets with OEMs and Container Terminal Operators.
- Introduced sales and marketing strategies
- Designed new brochure for Port Technology business unit.
- Delivered presentations and spoke at international events on technologies and services related to Vahle GmbH.
- Submitted press releases and articles to international publications
- Updated engineering staff members on client's demands and needs for innovative solutions.
- Representative to Konecranes, Kalmar, Liebherr and to DPWorld, TiL, APMT and PSA Europe.
- Member of the Enviromental committee for PEMA – representative for Vahle GmbH.

(2012 - 2013)   **Global Port Market Manager**, Conductix-Wampfler AG, Weil am Rhein, Germany.
Conductix-Wampfler provides solutions for cranes such as electrification of E-RTGs to festoons and motor driven reel on the ship to shore cranes.

Responsibilities / Achievements:
- Developed Business strategy for Port and Container Handling market
- Identified terminals and clients resulting in two large projects with potential sales of 25 M € for both.
- Formulated strategy to double sales revenue and profit by 2016 by analysing current market and products with container industry trends.
- Assisted in the development of international Key Account managers to improve positioning and communication with clients (OEMS and end users such as container terminal operators).
- Organized workshops on technological innovations for both employees and clients.
- Supported R&D functions with key information to further improve products.
- Built and maintained relationships with key decisions makers in container terminal management from terminals and terminal operators located globally.
- Nominated by the Port Equipment Manufacturing Association (PEMA) to participate in the GREEN CRANES R&D project financed by European Union.
- Promoted Conductix-Wampfler in regional and international exhibitions, events, trade shows as either a presenter or speaker.
- Consulted clients on automation and electrification projects.
- Member of the Enviromental committee for PEMA.

(2005 - 2011)   **Business Development Manager**, TTS Port Equipment AB, Gothenburg, Sweden.
Strong maritime oriented company located in Sweden that initiated use of automated guided vehicles (AGVs) and translifters and cassettes for container handling. TTS Port Equipment is well respected in the following sectors of the maritime industry: shipbuilding, ship equipment, port equipment, RoRo equipment and offshore equipment

Responsibilities / Achievements:

- Hired initially as consultant while finalizing a Ph.D. degree in container simulation to help build the Business Case for TTS Port Equipment to invest into container terminal equipment.
- Developed a business unit from the ground – up that had no prior knowledge of container terminal industry to currently being invited to industry forums and advertising on container industry publications.
- Built relationships while targeting potential opportunities for TTS Port Equipment, which culminated in APMT Virginia becoming the first terminal globally to use translifters and cassettes for its semi-automated terminal.
- Involved in R&D on AGVs, such as simulation and analysis.
- Increased customer satisfaction by being proactive in contacting and remedying any issues to product or service.
- Worked with project teams to develop new or tailored solutions for container terminal clients.
- Regularly reported to executive board to prepare presentations and updates on market and performance of the unit.

(1999 - 2000) **Global Logistics Manager,** Deutsche Post AG. Bonn & Darmstadt, Germany.
Largest shipping organization in the world with 30+ daughter companies.
One of the first Americans to be employed in assisting in the growth from the former "Deutsche Bundespost" to an international company that acquired DHL, DANZAS, ASG as well as 20+ other companies during my tenure with the firm. As global logistics manager, I assisted in working with the new partners into the *World Net* organization.

(1998 - 1999) **Vessel/Trade Asst. Manager,** SeaTrade Reefer, Antwerp, Belgium
Largest reefer shipping company in the world with HQs in Antwerp, Belgium. Responsible for the administration, billing and management for a fleet of 22 vessels working in 3 trades.

(1993 - 1998) **Various Operational Roles**, EVERGREEN AMERICA Company, Norfolk, Virginia, USA.
Evergreen is one of the most reputable shipping companies in the world that has built up a vertical organization with logistics, warehousing, trucking, terminal operations and other ancillary businesses.

Responsibilities / Achievements:
- Dispatch of containers to trucking and rail operators.
- Identified terminal errors in Port computer system which container numbers were not checked correctly. Used Evergreen Database to mitigate and then solve errors resulting in 2 man-hours saved per day.
- Handled billing over EDI systems with rail operators. Located discrepancies that in total were $ 100- 150 per container moved by rail of which 400-1000 moves per week.
- Terminal management in assigning equipment to be at terminal when ship was working.
- Vessel loading and unloading – use of NAVIS Sparcs system to build up load list and work on manifest. In addition, work on HAZMAT containers by checking IMO codes and listing specs on load lists for dockworkers.
- Work as a team with Dock Workers during vessel operations and with M&R (Maintenance and Repair) facility, in which 14 dockworkers were employed full time to repair containers and chassis; $ 1.5 million of damages a year billed.
- Often provided customer service to freight forwarders, customs brokers, shippers and clients.

4. COMMISSIONS OF TRUST (IN ACADEMIA AND INDUSTRY)

(2018 – pres) Board of Advisors – SWARM Engineering, Inc.
(2017 – pres) Sub-Committee Chair on Port Automation – Transportation Research Board
(AW10 –committee on Ports & Waterways)
(2018 – pres) Committee member on Intermodal Freight Terminal Design and Operations – Transportation Research Board (AW50)
(2016 – pres) Member of Steering Committee – Karlshamn municipality technical/vocational program in logistics
(2016 – pres) Member of TRB – Transportation Research Board (AW08 –committee on Ports & Waterways)
(2010 – pres) Advisory Board member at PORTec, Imperial College, London UK.
(2003 – 2005) PhD Section at Blekinge Institute of Technology, Karlshamn, Sweden (member).
(2016 – pres) Mentor in the TRB Freight & Marine mentoring program, Washington DC.

(2016 – pres)   Member of the steering committee. International Logistics School, Karlshamn, Sweden.
(2012 – 2018) Membership in port equipment association (PEMA). Various committee functions :
(1) automation, (2) safety, (3) education and (4) environment), Brussels, Belgium.

5. SCIENTIFIC ACHIEVEMENTS

5.1. PUBLICATIONS

BOOKS, BOOK CHAPTERS and REPORT STUDIES

1. Sagayam, K.M, Suresh, S., Hemanth, J.D., Henesey, L. and Ho, C.C. (2020) Optimization of SVM Based Hand Gesture Recognition System Using Particle Swarm Optimization and Plant Growth Algorithm (Chapter 9). "The Biometric Computing: Recognition & Registration".   Arya, K and Bhadoria, R. (eds). Published by CRC Press, Taylor & Francis Group, UK. ISBN: 978-0-8153-9364-1, pages 185-200.

2. Sagayam, K.M., Henesey, L., de Albuquerque, V.H.C., and Edinbarough, I.A., (2020) Pattern Recognition and Machine Learning for Augmented and Virtual Reality Applications. Sagayam, K.M., Henesey, L., et al (Eds). IET/SciTECH. Chapter 1 and Chapter 12.

3. Madjidian, J., Dalakis, D., Paulauskas, V., Henesey, L., Ölcer, A.I., Ballini, F., and Kitada, M., (2018) Developing a Strategy for LNG Powered Transport Corridors in the Baltic Sea Region. Trends and Challenges in Maritime Energy Management, WMU Studies in Maritime Affairs Vol. (6), A.I. Ölcer, et al. (eds). Springer International Publishing AG, Cham, Switzerland. ISBN978-3-319-745756-3, pages 383-399.

4. Nirala, S., Mishara, D., Sagayam, K.M., Ponraj, D.N., Vasanth, X.A., Henesey, L., and Ho, C.C. (2018) Image fusion in remote sensing based on sparse sampling method and PCNN techniques. Machine Learning for Big Data Analysis. MLBDA 2018 (Machine Learning for Big Data Analytics - 2018) –De Grutyer Press.

5. Submarcz, T. and Carlsson, A. (2018) Cyber Security for Next Generation Experts. Exacta Print AB. Malmo, Sweden. (Reviewer of the Book).

6. Sagayam, M.K., Hemanth, J.D., Vasanth, X.J., Henesey, L and Ho, C.C. (2018) Optimization of HMM based Hand Gesture Recognition System using Hybrid Cuckoo Search Algorithm, in Siddhartha Bhattacharyya (Ed) Hybrid Metaheuristics for Image Analysis, Springer International Publishing AG, Cham, Switzerland. ISBN13 9783319776248, pages 87-114.

7. Sagayam, K. M., Viyas, T.V., Ho, C.C. and Henesey, L. (2017) Controlling Robotic Arm Based on Virtual Hand Gesture Recognition by using Deep Learning Algorithm. Biologically Rationalized Computing Techniques for Image Processing Applications, Hemanth and Balas (eds). LNCVB (Lecture Notes in Computational Vision and Biomechanics). Springer-Verlag Berlin Heidelberg, Germany.

8. Henesey, L., Sagayam, M.K., Viyas, T.V. and Ho, C.C. (2017) Virtual Robotic Arm Control with Hand Gesture Recognition and Deep Learning Strategies, in Hemanth, D.J. and Estrela. V.V. (Eds) Deep Learning for Image Processing Applications: In Series - Advances in Parallel Computing. IOS press E-BOOK - DOI: 10.3233/978-1-61499-822-8-50, Vol.31 pages 50-67.

9. Bai, G., and Henesey, L. (2013) Coping with System Sustainability: A Sociocybernetics Model for Social Economic System Architecture. Issues in Behavioral Psychology: 2013 Edition, Scholarly Editions 2013, Ed. Ashton Acton. Ch.3 pages. 848-851 * summarized version of a journal article.

10. Henesey, L. and Mbiydzenyuy, G. (2010) Tools for faster turn-around times in RoRo Terminal: Case studies from Europe; Karlshamn – Klaipeda Sort Sea Shipping Link. Ports 2010: Building on the Past, Respecting the Future. ASCE – American Society of Civil Engineers. Reston, Virginia, USA ISBN 0-7844-1098-4, 978-0-7844-1098-1, pages 1275-1285

11. Henesey, L., and Persson, J. A. (2009) Analyzing Transactions Costs in Transport Corridors Using Multi-Agent-Based Simulation, In Bazzan, A.L.C. and Klügl, F. (Eds) Multi-Agent Systems for Traffic and Transportation Engineering, ICI Global, Hershey, PA, USA. Chapter 17, pages 342-356.

12. Henesey, L. (2006) Multi-Agent Systems for Container Terminal Management. Ph.D. Thesis. No 2006:08. Department of Systems and Software Engineering, Blekinge Institute of Technology,

Karlshamn, Sweden. ISSN 1653-2090, ISBN 91-7295-099-4 or ISBN 978-91-7295-099-3, pages 1-274.

13. MTLA (Maritime Transport and Logistics Advisors) (2005) Canaveral Port Authority Short Sea Shipping Port Probability Study, A study commissioned by the: Canaveral Port Authority with additional 50% funding provided by the: U.S. Department of Transportation, Maritime Administration (MARAD) pages 1-137.

14. Davidsson, P., Henesey, L., Ramstedt, L., Törnquist, J., and Wernstedt, F. (2005) Agent-Based Approaches to Transport Logistics, Applications of Agent Technology in Traffic and Transportation, Whitestein Series in Software Agent Technologies, Bazzan, Ana; Klügl, Franziska; Ossowski, Sascha (Eds.), Birkhäuser.

15. Henesey, L. (2004) Enhancing Container Terminal Performance: A Multi Agent Systems Approach, Licentiate Thesis. Karlshamn, Sweden. ISBN 91-7295-040-4.

JOURNALS PUBLISHED AND/OR ACCEPTED

16. Sagayam, K. M., Viyas, T.V., Ho, C.C. and Henesey, L. (2019) "Augmented Reality based Solar System for E-magazine with 3-D audio effect. International Journal of Simulation and Process Modelling.

17. Bakhtyar, S. & Henesey, L. (2015) State of the art of electronic waybill solutions: a systematic review using the snowball method. Journal of Special Topics in Information Technology and Management, ISSN 1385-951X, E-ISSN 1573-7667

18. Bai, G., and Henesey, L. (2012) Coping with System Sustainability: A Sociocybernetics Model for Social-Economic System Architecture. Journal of Systems Research and Behavioral Science Volume 29, Issue 3, May/June 2012, pages 263-273.

19. Henesey, L., Davidsson, P. and Persson, J.A. (2008) Agent Based Simulation Architecture for Evaluating Operational Policies in Transshipping Containers. LNCS (Lecture Notes in Computer Science) Vol. 4196, Springer Berlin / Heidelberg, pages 73-85.

20. Henesey, L., Davidsson, P., and Persson, J.A. (2008) Evaluation of Automated Guided Vehicle Systems for Container Terminals Using Multi Agent Based Simulation (Extended from AAMAS ´08 conference). LNCS (Lecture Notes in Computer Science) Vol. 5269, Springer Berlin / Heidelberg, pages 85-96.

21. Henesey, L., Davidsson, P., and Persson, J.A. (2008) Agent Based Simulation Architecture for Evaluating Operational Policies in Transshipping Containers. Journal of Autonomous Agents and Multi-Agent Systems, Vol 18, Springer. (Published 11 April 2008 at Springer Link Online First), pages 220-238.

22. Henesey, L., Davidsson, P., and Persson, J.A. (2006) Agent Based Simulation Architecture for Evaluating Operational Policies in Transshipping Containers, Fourth German Conference on Multiagent System Technologies (MATES 2006). LNCS (Lecture Notes in Computer Science) 4196, K. Fischer et al. (Eds), Springer-Verlag Berlin Heidelberg, Germany, pages 73-85.

23. Henesey, L., Davidsson, P., and Persson, J.A. (2006) Evaluating Container Terminal Transhipment Operational Policies: An Agent-Based Simulation Approach, WSEAS Transactions on Computers, Vol. 5 (9), pages 2090-2098.

24. Henesey, L. (2006) Application of Transaction Costs in Analyzing Transport Corridors Using Multi-Agent Based Simulation. Promet Traffic & Transportation: Scientific Journal on Traffic and Transportation Research. Vol. 18 (2) pages 59-65.

25. Davidsson, P., Henesey, L., Ramstedt, L., Törnquist, J., and Wernstedt, F. (2005) An Analysis of Agent-Based Approaches to Transport Logistics, Transportation Research: Part C: Emerging Technologies, Vol. 13 (4) Elsevier, pages 255-271.

26. Henesey, L., and Törnquist, J. (2002) Enemy at the gates: Introduction of Multi-Agents in a Terminal Information Community, In: C.A. Brebbia, G. Sciutto (Eds) Maritime Engineering & Ports III. WIT Press, London, 2002, pages 23-32. ISBN: 1-85312-923-2.

PEER REVIEWED CONFERENCES / WORKSHOPS (PUBLISHED)

27. Das, P, Rahaman, A. J., Acharya, B., Sagayam, M., and Henesey, L. (2020). Conceptual Understanding of Convolutional Neural Network. In proceedings of PRAVR2020 (Pattern Recognition for Augmented and Virtual Reality Using Machine and Deep Learning). May 30, 2020.

28. Tsr, M., Andrew, J., Sagayam, M., and Henesey, L. (2019). A 3D Convolutional Neural Network for Bacterial Image Classification, Paper 35. In proceedings of International Conference on Big Data and Cloud Computing (ICBDCC'19), Karunya Institute of Technology & Sciences, Coimbatore, Tamilnadu, India, December 6-7, 2019.

29. Henesey, L. and Philips, R. (2019). Evaluating LNG Bunkering Automation Technology. World of Shipping Portugal - An International Research Conference on Maritime Affairs, Estoril, Carcavelos, Portugal, November 21 – 22, 2019.

30. Henesey, L., Lizneva, Y., and Anwar, M. (2019). A Multi-Agent system with Blockchain for Container Stacking and Dispatching. In proceedings of (HMS – 2019) The International Conference on Harbor, Maritime and Multimodal Logistic Modelling and Simulation, Lisbon, Portugal, September 18 – 20, 2019. Awarded Best Paper for the HMS – 2019 Conference.

31. Henesey, L. (2019). Blockchain with Multi Agent System: case of container stacking management. In proceedings of Annual conference of the International Association of Maritime Economists (IAME), Athens, Greece, June 25 – 28, 2019.

32. Henesey, L., Jankowski, S., and Gerlitz, L., (2019). LNG Value-Chains in the Baltic Region: Case of the GoLNG project, In proceedings of Annual conference of the International Association of Maritime Economists (IAME), Athens, Greece, June 25 – 28, 2019.

33. Anwar, M. Henesey, L. and Casalichio, E. (2019). Digitalization in Container Terminal Logistics: A Literature Review. In proceedings of Annual conference of the International Association of Maritime Economists (IAME), Athens, Greece, June 25 – 28, 2019.

34. Anwar, M. Henesey, L. and Casalichio, E. (2019). The feasibility of blockchain solutions in the maritime industry. In proceedings of Annual conference of The Nordic Logistics Research Association (NOFOMA), Oslo, Norway, June 13 – 14, 2019.

35. Subramaniyam, D., Bruntha, P.M., Sagayam, K.M., Henesey, L., Bestak, R., and Al-Halabi, W. (2019). An area efficient 16-QAM transceiver design using Vedic multiplier for wireless applications. In Proceedings of the 12th WMNC (12th IFIP Wireless and Mobile Networking Conference), Paris, France, September 11 – 13 , 2019.

36. Sagayam, K.M., Ho, C.C., Henesey,L. and Bestak, R. (2018). 3D Scenery Learning on Solar system Using Marker Based Augmented Reality. In Proceedings of the 4th International Conference on Virtual and Augmented Reality in Education. Budapest, Hungary, September 17 – 19 , 2018.

37. Henesey, L., Jankowski, S., and Gerlitz, L., (2018). Developing a LNG Value-Chain in the Baltic Region, In proceedings of Annual conference of the International Association of Maritime Economists (IAME), Mombasa, Kenya, September 11 – 14, 2018.

38. Henesey, L., Jankowski, S., and Gerlitz, L., (2018). Risk Assessment of Automated technologies for LNG bunkering, In Proceedings of Annual conference of the International Association of Maritime Economists (IAME), Mombasa, Kenya, September 11 – 14, 2018.

39. Paulauskas, V., Paulauskas, D., Ronkaitytė, I., Henesey, L., Gerlitz, L., Jankowski, S., and Canepa, M., (2018) Optimised Location of LNG Bunkering Stations by using a Graph Theory Approach. In Proceedings of 22nd Transport Means conference (TM-2018), Klaipeda and Trakai, Lithuania. October 3 – 5, 2018

40. Henesey, L., and Gerlitz, L., (2018). Blue and Green Corridor Strategies for Integrating LNG Value Chains in the Baltic Sea Region. In Proceedings of The Jean Monnet symposium on the future of the European port policy, Chios, Greece, June 28 – 29, 2018.

41. Henesey, L. Ports of the Future (2018). Deploying Emulation and Real Time Simulation for Identifying Technologies for Improved Port Supply Chain Performance. In Proceedings of the 5th Biennial Marine Transportation System Research and Technology Conference - Session 2C: Data Analytics: Port Performance. Washington, D.C., June 19 – 21 , 2018.
    a.   Additional information: (Interactive Poster Session on June 20, 2018)

42. Sagayam, K.M., Ho, C.C., Henesey, L. and Bestak, R. (2018). 3D Scenery Learning on Solar system Using Marker Based Augmented Reality. In Proceedings of Future Technologies Conference (FTC-2018), Vancouver, BC, Canada, November 13 – 14, 2018.

43. Sagayam, K.M., Ponraj, D. N., Ho, C.C., and Henesey, L. (2018). Developing a Graphical User Interface for linking the Backscattering Sensor (BB3) to acquire real – time data. In Proceedings of Future Technologies Conference (FTC-2018), Vancouver, BC, Canada, November 13 – 14, 2018.

44. Henesey, L. (2018). Systematic Literature Review on Inter-Terminal Transportation. In Proceedings of Transportation Research Board (TRB) Annual Meeting, Washington, D.C. National Academies of Sciences, Washington, D.C., January 7 – 11, 2018.
    b. Additional information: (Poster board Session #B422 Systematic Literature Review on Inter-Terminal Transportation 18-03277)

45. Henesey L. (2018). Experiences in Resilience for Global Ports and Terminal. Session 761: Passenger and Freight Intermodal Hubs and Terminals as Critical Infrastructure: Lessons for Resilience. In Proceedings of Transportation Research Board (TRB) Annual Meeting, Washington, D.C. National Academies of Sciences, Washington, D.C., January 7 – 11, 2018.

46. Paulauskas, V., Paulauskas, D., Placiene, B., Barzdziukas, R., Maksimavicius, R., Ronkaitytė, L:, Gerlitz, L., Madjidian, J., Jankowski, J., and Henesey, L. (2017). LNG Supply chain development. In Proceedings of Transport Means conference (TM-2017), Kaunas, Lithuania, September 20 – 22, 2017.

47. Madjidian, J., Gerlitz, L., Paulauskas, V., Henesey, L., Ölcer, A.I., Dalakis, D., Ballini, F.and Kitada, M. (2017). Developing a Strategy for LNG Powered Transport Corridors in the Baltic Sea Region. In Proceedings of Marener 2017 – International Conference on Maritime Energy Management, Malmö, Sweden, January 24 – 25, 2017.

48. Bakhtyar, S., Mbiydzenyuy, G., & Henesey, L. (2015). A Simulation Study of the Electronic Waybill Service. In Proceedings of European Modelling Symposium (EMS2015) ©IEEE., Madrid, Spain, October 6-8, 2015.

49. Bakhytar, S. and Henesey, L. (2014). Freight transport prediction using electronic waybills and machine learning. 2014 International Conference on Informative and Cybernetics for Computational Social Systems (ICCSS), IEEE Catalog Number: CFP1488X-CD ISBN: 978-1-4799-4753-9, pages 128 – 133, Qindao, Shandong, China, October 9 – 10, 2014.

50. Henesey, L. (2014). Using systems dynamic modelling for forecasting global container demand: Case of Country and Port. 2014 International Association of Maritime Economics annual conference (IAME 2014), Norfolk, Va. US, July 15 – 18, 2014.

51. Henesey, L. Mustansar A.K., and Rashid, A. (2011). Simulating Automated Guided Vehicle   in the Transport of Containers. In the Proceedings of the International Maritime Port Technology and Development conference (MTEC), Singapore, April 11 – 13, 2011.

52. Henesey, L. and Mbiydzenyuy, G., (2010). A decision support method for analysing a short sea shipping link from a port infrastructure perspective. In the Proceedings of the International Association of Maritime Economists (I.A.M.E.) Annual Conference, Session on Short Sea Shipping II, 3-5 September 2003, Lisabon, Portugal, July 7 – 9, 2010.

53. Henesey, L. (2011). Developing an Information Broker System for Coordinating an Oversize Transport Information Network. In the Proceedings of 18th World Congress on Intelligent Transportation Systems: Session T31 – Freight Logistics. Orlando, Fl, US, October 16 – 20, 2011.

54. Henesey, L. Militant, J and Henesey, A. (2009). Evaluation of Dispatching Strategies in the Decentralized Coordination of AGVs. In the Proceedings of the 16th World Congress and Exhibition on Intelligent Transport Systems and Services. Stockholm, Sweden, September 21 – 25, 2009.

55. Henesey, L., Davidsson, P., and Persson, J.A. (2008). Evaluation of Automated Guided Vehicle Systems for Container Terminals Using Multi Agent Based Simulation. In the Proceedings of the 9th International Workshop on Multi Agent Based Simulations, (held in conjunction with AAMAS'08), Estoril, Portugal, May 12 – 18.

56. Hansen, B. and Henesey, L. (2007). Simulation Studies on Transhipment Operations. Proceedings of the MedTrade 2007 conference, St. Julians, Malta, May 17 – 1 8, 2007.

57. Mbiydzenyuy, G., Henesey, L. (2007). Short Sea Shipping and Intermodality: Connecting East and West Case study: Karlshamn-Klaipeda Short Sea Shipping Link, 4th Annual Baltic Maritime and Trade Summit (BMTS 2007), Tallinn, Estonia, February 27 – 28, 2007.

58. Henesey, A., Sternberg, H., Henesey, L. (2007). Requirements Analysis of Information Integration of Small and Medium Size Ports with Port Communities using Web Portals: A Swedish Port Perspective. Proceedings of the 11th World Conference on Transport Research, 2007 (WCTR). University of California Berkeley, California, US, June 24 – 28, 2007.

59. Henesey, L., Davidsson, P., and Persson, J.A. (2007). Comparison and Evaluation of Two Automated Guided Vehicle Systems in the Transhipment of Containers at a Container Terminal. Proceedings of the MODSIM World Conference 2007, Virginia Beach, Virginia, US, September, 11-13, 2007.

60. Henesey, L., Davidsson, P., and Persson, J.A. (2006). Simulation of Operational Policies for Transhipment in a Container Terminal, Proceedings of the 10th World Scientific and Engineering Academy and Society (WSEAS) Multiconference on Circuits, Systems, Communications, and Computers, Athens, Greece, July 10 – 15, 2006.

61. Henesey, L., Aslam, K., and Khurum, M. (2006). Task Coordination of Automated Guided Vehicles in a Container Terminal, Proceedings of the 5th International Conference on Computer Applications and Information Technology in the Maritime Industries, Oud Poelgeest, pages 54 – 65, Leiden, The Netherlands May 8-11, 2006.

62. Henesey, L. and Young, M. (2006). Short Sea Shipping in the United States: Identifying the Prospects and Opportunities, TRB's Ports and Channels Committee (AW010) at 85th TRB Annual Meeting, Washington D.C., January 22 - 26, 2006.
    a.   Additional information: (Poster board Session #642 Short Sea Shipping in the United States: Identifying the Prospects and Opportunities)

63. Henesey, L. (2005). A Simulation Model for Analysing Terminal Management Operations, Proceeding of the 4th International Conference on Computer Applications and Information Technology in the Maritime Industries (COMPIT '05), Hamburg, Germany, May 8 – 11, 2005.

64. Henesey, L. (2005). A Decision Tool for Identifying the Prospects and Opportunities for Short Sea Shipping, Proceedings of the 3rd Domestic Maritime Conference. Hilton Head SC., US. pages 103-116, April 11 – 12, 2005.

65. Yonge, M., Barberesi, B.R., Calcote, R., Donaldson, G., Dow, J., Henesey, L., Kristensen, K. (2005) Short Sea Shipping Port Probability Study. Report Commissioned by US Government; United States Maritime Administration; MARAD pages 1-137. Port Canaveral, May 1, 2005.

66. Henesey, L. (2004). A Multi Agent Based Simulator for Managing a Container Terminal, Proceedings of the 2nd European Workshop on Multi-Agent Systems (EUMAS 2004), pages 291 – 302. Barcelona, Spain, December 16 – 17, 2004.

67. Henesey, L., Davidsson, P., and Persson, J.A. (2004). Using Simulation in Berth Planning at a Container Terminal, Proceedings of the 3rd International Conference on Computer Applications and Information Technology in the Maritime Industries (COMPIT´04), Parador Siguënza, Siguënza, Spain.

68. Davidsson, P. Henesey, L., Ramstedt, L., Törnquist, J. and Wernstedt, F. (2004). Agent-Based Approaches to Transport Logistics, Proceedings of the 3rd international joint conference on Autonomous Agents and Multi Agents Systems (AAMAS) Workshop on Agents in Traffic and Transportation. New York City, US.

69. Henesey, L and Kerckaert, K. (2004). Prospects for Short Sea Shipping, Proceedings of the 3rd Short Sea Shipping Conference: building a U.S. waterborne intermodal system. Hilton Head SC. US. April 19 – 20 2004, pages 103-116.

70. Henesey, L. (2003). More than just Piers: a multi-agent system in defining organisation in a seaport terminal management system, Proceedings of the 47th Annual Conference of the International Society for the Systems Sciences (ISSS) (Special Integration Group on Systems Applications to Business and Industry), Crete, Greece. ISBN 0-974073504.

71. Henesey, L., Notteboom, T., and Davidsson, P. (2003). Agent-based simulation of stakeholders relations: An approach to sustainable port and terminal management, Proceedings of the International Association of Maritime Economists (I.A.M.E.) Annual Conference, 3-5 September 2003, Busan, South Korea - Busan, Korea Maritime University, 2003, p. 314-331

72. Henesey, L., Wernstedt, F., and Davidsson, P. (2003). Market-Driven Control in Container Terminal Management" Proceedings of the 2nd International Conference on Computer Applications and Information Technology in the Maritime Industries (COMPIT´03), Hamburg, Germany

73. Henesey L., Notteboom T. (2003). Simulating stakeholders relations in ports: a tool for sustainable port management. Proceedings of NAV2003, International Conference on Ship and Shipping Research: Session 2: Maritime Transport and Economics, Palermo, Italy.

74. Henesey, L., Wernstedt, F., and Davidsson, P. (2002). A Market Based Approach to Container Port Terminal Management, Proceedings of the 15th European Conference on Artificial Intelligence, Workshop (ECAI 2002) - Agent Technologies in Logistics, Lyon, France.

75. Henesey, L. (2002). Enhancing terminal productivity through Artificial Intelligence: Multi-Agent System Approach, Proceedings of the 26th Terminal Operators Conference (TOC-Europe 2002), Antwerp, Belgium.

ARTICLES PUBLISHED FOR INDUSTRY JOURNALS OR TRADE MAGAZINES

76. Henesey, L. (2014) *"The RTG Evolution and Electric /Automation Revolution"*, World Port Development, MCI communications, London, UK, Issue: June, 2014, pages 31 – 32.

77. Henesey, L. (2014) *"E-RTG solutions"*, Port Technology International, Maritime Information Services Ltd. London, UK, Edition 64, 2014.

78. Henesey L. (2014) *"Vahle plans will Electrify your port"*, Container Management, 2014

79. Henesey, L. (2010) *"An automatic choice"*, World Port Development, MCI communications, London, UK, Issue: August/September 2010, pages 21 – 23.

80. Henesey, L. (2009) *"A Simulation Model for Analysing Terminal Management Operations"*, Indian Ports and Infrastructure Review, November 2009: Vol 1 Issue 5, pages 7 – 16.

81. Henesey, L., Wernstedt, F., and Davidsson, P. (2009) *"Market Driven Control in Container Terminal Management"*. Indian Ports and Infrastructure Review, November 2009: Vol 1 Issue 5, pages 7 – 14.

82. Henesey, L. (2007) *"Putting AGVs to the test"*, CargoSystems, INFORMA, London UK, Issue: September 2007, pages 43 – 46.

BOOKS / CONFERENCES / WORKSHOPS and JOURNALS (SUBMITTED AND UNDER REVIEW)

83. Henesey, L. (eds.) Application of Multi Agent Systems, Open Access Journal by MDPI (Submissons by Aug 15, 2020. Publication in 2021).

84. Henesey, L. Sagayam, M., Ho, C.C., and Timothy, A..J. Acquisition of Health Informatics through Pervasive Sensor by using Deep Learning – A Case Study. 2017: Deep Learning for Image Processing Applications" to be published by Advances in Parallel Computing series of IOS PRESS.

85. Henesey, L. Analysis and Review on Container Terminal Management, Draft submitted to a Journal.

86. Henesey, L. Short Sea Shipping, Financing, and Use of a Risk Analysis Simulation Model for Evaluating its Potential: a case study of a seaport in the United States working paper submitted for review.

87. Henesey, L. and Golias. M. Modeling and Simulating Energy Efficient in Dispatching of Automated Guided Vehicles in a Marine Container Terminal. Proceedings of Transportation Research Board (TRB) Annual Meeting, Washington, D.C. National Academies of Sciences, Washington, D.C., January 12 – 16, 2020.

88. Henesey, L. Container Economics working papers.

89. Henesey, L. Working paper on AGV Dispatching Simulation to be published.

90. Alipour, P. B., Magnusson, M. , Olsson, M. W., H. Ghasemi, N., Henesey, L. A Real-time Cargo Damage Management System via a Sorting Array Triangulation Technique. To be submitted

5.2. REFEREEING

JOURNALS
- Applied Sciences (12 papers)
- Autonomous Agents and Multi-Agent Systems (8 papers in total).
- Computational Intelligence And Machine Learning, Editor (2020 -)
- Electronics (ISSN 2079-9292) Special Issue: Applications of Techniques From Distributed Artificial Intelligence (Guest Editor) August 2020.
- Engineering for the Maritime Environment (2 papers in total).
- Information (2 papers)
- Int. J. of Logistics Systems and Management (2 papers in total).
- Journal of Energy Resources Technology (1 paper).
- Journal of Simulation, Modelling, Practice and Theory (13 papers in total).
- Journal of Waterway, Port, Coastal, and Ocean Engineering (12 papers in total).
- Logistics Research (2 papers in total).
- Maritime Business Review (4 papers in total).
- Marine Science & Engineering (2 papers in total).
- Mathematics (2 papers).
- Sensors (7 papers in total).
- Simulation Modelling and Practice and Theory (9 papers in total).
- Transportation Research Part C (1 paper).
- Transportation Research Part E (1 paper).
- Transportation Review (3 papers in total).
- Transportation Research Management (1 paper).
- Transportation Research Record (9 papers in total).

CONFERENCES / WORKSHOPS)
- IAME – International Association of Maritime Economists (2010 - 2019) (27 papers in total).
- TRB – Transportation Research Board Annual Conference (2008 – 2019) (48 papers in total).
- World of Shipping (2019) (4 papers in total).

PROGRAM COMMITTEE MEMBERSHIP
- HMS (Harbour Modelling and Simulation 2020), 16-18, September, 2020, Athens, Greece. Member of the HMS 2020 International Program Committee, Session Organizer and Session Chair Sessoion Digitalisation in Ports, http://www.msc-les.org/conf/hms2020/tracks/ports.html.
- HMS (Harbour Modelling and Simulation 2019), 18-20, September, 2019, Lisabon, Portual. Lecturer on Digitalisation, member of the HMS 2019 International Program Committee, Session Organizer and Session Chair, Session 5 (Digitalization).
- Sustainable Ports; Case of GoLNG project, April 25, 2019, Karlskrona, Sweden – Workshop Organiser.
- Member of HanseBloc project, March, 2019.
- TRB – Transportation Research Board Annual Conference 2019 – Session organizer: Digitalization of Ports. January 13-17, 2019.
- World of Shipping Portugal – An International Research Conference on Maritime Affairs, 21 - 22 November 2019, Carcavelos, Portugal – Member of the Scientific Committee
- VARE – 2018, THE 4TH INTERNATIONAL CONFERENCE OF THE VIRTUAL AND AUGMENTED REALITY IN EDUCATION, September 17-19 2018, Budapest, Hungary.
- CTCC – Creative Traditional Companies Cooperation, Innovation seminar Karlshamn, Sweden November 5-7, Principal organiser at 100.%
- International Association Maritime Economist Annual Conference 2018 – Session Chair (2x).
- CTCC – Creative Traditional Companies Cooperation, Road Show in Karlshamn, Sweden January 24-25, 2018 – Principal organiser at 100.%
- GoLNG Training Workshops 2017 – 2018 – 5x (one each in Poland, Germany, Sweden, Lithuania and Denmark) www.golng.eu
- Port Terminal Technology 2017 – 3x Session Chair.
- Port Terminal Technology 2016 – 2x Session Chair.
- EMS2015 – (IEEE Conference Record no.37446) – Session Chair.

- MarTech LNG - Marine Competence, Technology and Knowledge Transfer for LNG (Liquid Natural Gas) in the South Baltic Sea Region (MARTECH LNG) Training Course (2014) – Organizer.
- International Association Maritime Economist Annual Conference 2014 – Session Chair.
- International Association Maritime Economist Annual Conference 2010 – Session Chair.
- Conference on Computer Applications and Information Technology in the Maritime Industries 2005 (COMPIT) – Session Chair.
- Conference on Computer Applications and Information Technology in the Maritime Industries 2004 (COMPIT) – Session Chair.

5.3. RESEARCH COLLABORATIONS ACADEMIA

- Invited to hold presentations on research at:

    o Supervising Shoaib Bakhtyar, PhD student Blekinge Institute of Technology, 2013.
    o Maritime Singapore, Singapore, 2011.
    o Institute of Transportation Maritime Management, Antwerp, Belgium, 2008.
    o Maritime Speaker's Series at Old Dominion University, Norfolk, Virginia, US, 2007.
    o World Maritime University, Short Sea Shipping, Malmö, Sweden, 2000.
    o Member of ACM – Association of Computer Machinery 2001.
    o Member of Swedish Association of Artificial Intelligence 2001.
    o Performed studies and research with other researchers from Swedish Universities (Chalmers, Göteborg University and IT University), culminating in 2 papers co-authored.
    o Cooperation with Prof. Theo Notteboom from University Antwerp, co-authored 2 papers.
    o Cooperation with Prof. Kent Lumsden, Chalmers University in supervising PhD student: Violeta Roso 2007.
    o Cooperation with Prof. Michael Bell, Imperial College in assisting PhD student: Panagiotis Angeloudis 2009.
    o Cooperation with Prof. Gerrit K. Janssens, University of Hasselt in supervising PhD student Xinying Su 2006.

5.4. RESEARCH COLLABORATIONS INDUSTRY

- Invited to hold presentations on research at:
    o Klaipeda PortHackathon, Klaipeda, Lithuania, September 20-22, 2019. Team of four students represented Blekinge Institute of Technology at the Hackathon to win 1st place. I was one of 5 moderators at the competition.
    o HMS – 2019 – Presenter , Lisbon, Portugal, September 18, 2019.
    o Baltic Ports Conference 2019 – Speaker, Stockholm, Sweden September 5, 2019.
    o PORTCON 2019 – Presenter, Port Canaveral, Florida, USA, May 24-28, 2019.
    o LNG19 event – Presenter, LNG19, Shanghai Maritime Uni., Shanghai, China, April 8, 2019.
    o Value Chain – Invited Speaker, Valencia Port Foundation, Valencia, March 13, 2019
    o Blue Corridor Study – Invited Speaker, Transport Week 2019, Gdynia, Poland, March 7, 2019
    o Value Chain - Invited Speaker, GasNetz, Hamburg, Germany, February 7, 2019
    o GoLNG event – Lecturer, Warsaw University, Warsaw Poland, January, 29, 2019.
    o Digitalization in Ports, Speaker at Transportation Research Board annual meeting January 24, 2019.
    o GoLNG event – Lecturer, University of Turku, Turku, Finland, November 28, 2018.
    o Chainport Hackathon, Antwerp, Belgium, October 11-13, 2018, Superivsed Mr.Tanveer Feisal Snigdho.
    o GoLNG event – Lecturer, Latvian Maritime Academy, Riga, Latvia, September 20, 2018.
    o GoLNG event – Lecturer/Speaker, SMM fair, Hamburg, Germany, September 5, 2018.
    o GoLNG event – Lecturer/Speaker on LNG on Port Equipment in the GoLNG project, Talinn, Estonia, May 17, 2018.
    o World Maritime University – Lecturer/Speaker on LNG on Port Equipment in the GoLNG project, Malmo, Sweden, April 27, 2018
    o Transport Week 2018 – Speaker on LNG on Port Equipment in the GoLNG project. Gdansk, Poland, March 7, 2018
    o Baltic Ports Conference 2017 –Speaker on Connect2Ports, September 6 – 8, 2017.
    o TOC-Europe, PEMA CHALLENGE, (one of three schools short listed to compete with student teams) Rotterdam, Netherlands, June 2017.
    o TOC-Europe, PEMA CHALLENGE, (one of three schools short listed to compete with student teams) London, UK, June 2015.

- o Forskar Grand Prix, one of four researchers competing on "Forskar Fredag" at Kreativu, Karlshamn, Sweden. September 25, 2015. http://www.kreativum.se/forskarfredag-2015-for-hela-familjen/
  - o TOC-Europe, PEMA CHALLENGE, (one of three schools short listed to compete with student teams) Rotterdam, Netherlands, June 2014.
  - o TOC-Europe, PEMA CHALLENGE, (one of three schools short listed to compete with student teams) Rotterdam, Netherlands, June 2013.
  - o Ports and Terminal Technology –Speaker, Norfolk, Virginia, US, 2013.
  - o "How is technology improving intermodal efficiency" at The New Intermodal Age conference– Speaker, Baltimore, Maryland, USA, April 2-3, 2013.
  - o Terminal Management and Planning – Speaker, Lloyds Maritime, Academy, London, UK. 2013.
  - o Container Handling Technology – Speaker, Istanbul, Turkey, 2013.
  - o Terminal Operator Conference– Speaker, Dubai, 2012.
  - o Background to Ports and Terminals, – Speaker, Lloyds Maritime, Academy, London, UK, 2012.
  - o Terminal Management and Planning – Speaker, Lloyds Maritime, Academy, London, UK. 2012.
  - o Terminal Automation Seminar – Speaker, Lloyds Maritime, Academy, London, UK, 2012.
  - o Port Terminal Technology Conference – Speaker, Miami, US, 2012.
  - o Port Expansion Summit – Speaker, Istanbul, Turkey, 2012.
  - o Terminal Automation Seminar – Speaker, Lloyds Maritime, Academy, London, UK, 2011.
  - o Background to Ports and Terminals, – Speaker, Lloyds Maritime, Academy, London, UK, 2011
  - o Terminal Management and Planning – Speaker, Lloyds Maritime, Academy, London, UK. 2011.
  - o Terminal Operator Conference– Speaker, Shanghai, China, 2011.
  - o Break Bulk 2011 – Session Chair, Antwerp, 2011.
  - o MASPORT – Speaker, Valencia, Spain 2011.
  - o Terminal Operator Conference– Speaker, Hamburg, Germany, 2010
  - o Terminal Management and Planning – Speaker, Lloyds Maritime, Academy, London, UK. 2010.
  - o PORTS 2010, ASCE –American Society of Civil Engineers – Speaker, Jacksonville, Florida, US, 2010.
  - o Port Technology– Speaker, Shanghai, China, 2009.
  - o PorTech Summit– Speaker, Shanghai, China, 2009.
  - o Terminal Automation Seminar– Speaker, Lloyds Maritime, Academy, London, UK. 2009.
  - o Port and Terminal Technology, Europe– Speaker, Antwerp, Belgium, 2009
  - o Port and Terminal Technology– Speaker, Houston, US, 2009.
  - o MedTrade conference– Speaker, Malta, 2009.
  - o Terminal Operator Conference– Speaker, Hamburg, Germany, 2008.
  - o The 4th International Conference on Shipping, Ports, and Logistics in the Danube Corridor and Black Sea Region– Speaker, Constanta, Romania, 2008.
  - o 4th Trans Middle East– Speaker, Dubai, 2008.
  - o PorTech Asia– Speaker, Shanghai, China, 2007.
  - o Baltic Sea Trade Summit– Speaker, Tallinn, Estonia, 2007.
  - o MedTrade Conference– Speaker, 2006.

- Presentations, Seminars and Talks
  - o Over 135+ conference presentations, seminars and talks given since 1998.

- Research conducted in close cooperation with (and research results transferred to):
  - o Research on automated container terminals, Polotec A/S 2013.
  - o ORCHID® design for Next generation of container terminals with PortsAmerica, 2012.
  - o Environment Committee member in PEMA (Port Equipment Manufacturer's Association) 2009-2012.
  - o Automated RMG research, KONECRANES, 2011.
  - o FACT –Future of Automated Container Terminals conference 2011, Imperial College.
  - o One of first members of PEMA (Port Equipment Manufacturer's Association) 2007 – 2013.
  - o Z-AGV® design and concept with TTS Port Equipment AB 2008-2011.
  - o Patent Referred in "Other Publications"; Automated Marine Container Terminal and System, US patent: US 7,972,102 B2. Date of patent July 5, 2011.
  - o Germanisher Lloyd (CTQI project –Container Terminal Quality Index), 2007.
  - o Automated Guided Vehicle research, TTS PORT EQUIPMENT AB, 2005-2011.
  - o Cassettes and Translifters research, TTS PORT EQUIPMENT AB, 2005-2011.
  - o Short Sea Shipping research for MARAD (US Maritime Administration), 2005.

5.5. RESEARCH GRANTS AND APPLICATIONS

Applications accepted:

- 2004 -2007 EastWest TC. – Application name: East West Transport Corridor Funding agency: South Baltic Cross-border Co-operation Programme 2007-2013 – partner budget: **€350 000.00** overall

- project budget: €5 832 400. Sole Partner from BTH and responsible – Co Principal Investigator, PI (20%). https://www.keep.eu/keep/project-ext/1213/East-West%20Transnational%20Transport%20Corridor%20in%20the%20S-BSR

- 2007-2010 OVERSIZE – Application Name: Oversize Baltic. Funding agency: South Baltic Cross-border Co-operation Programme 2007-2013 . **Partner budget: €18 000.00** overall project budget: €769 610,00. Sole Partner from BTH and responsible – Principal Investigator, PI (100%). https://trimis.ec.europa.eu/project/oversize-baltic

- 2007 – 2010 MarTech LNG – Application Name: Marine Competence, Technology and Knowledge Transfer for LNG (Liquid Natural Gas) in the South Baltic Sea Region (MarTech_LNG). Funding agency: South Baltic Cross-border Co-operation Programme 2007-2013. **Partner budget: €155 148.00** overall project budget: €1 360 447,67. Sole Partner from BTH and responsible – Principal Investigator, PI (100%). http://ec.europa.eu/regional_policy/en/projects/germany/martech-lng-helps-south-baltic-region-reposition-itself-as-liquefied-natural-gas-hub

- 2012 – 2014 GREENCRANES – Application Name: Green technologies and eco-efficient alternatives for cranes & operations at port container terminals (GREENCRANES). Funding agency: EU TEN-T Annual Programme. **Partner budget: €0** (Stakeholders Interest Group – Associated Partner status). Overall budget: €3 688 000.00. Sole Partner from Conductix AG / PEMA (Port Equipment Manufacturer's Association) and responsible - Principal Investigator, PI (100%). https://ec.europa.eu/inea/sites/inea/files/download/project_fiches/multi_country/fichenew_2011eu92151s_final_1.pdf

- 2014 – 2017 SEA TERMINALS – Application Name: Smart Energy-Efficient and Adaptive Port Terminals. Funding agency: EU TEN-T Annual Programme. **Partner budget: €0** (Stakeholders Interest Group – Associated Partner status). Overall budget_: €3 136 948.00. Sole Partner from Vahle GmbH and responsible –Principal Investigator, PI (100%). http://www.seaterminals.eu/

- 2017 – 2020 ELMAR – Application Name: ELMAR - Supporting South Baltic SMEs to enter the international supply chains & sales markets for boats & ships with electric propulsions. Funding agency: South Baltic Cross-border Co-operation Programme 2014-2020. **Partner budget: €0** (*Associated Partner status*). Overall budget: € 1 814 270,04. Sole Partner from BTH and responsible –Principal Investigator, PI (100%). https://southbaltic.eu/-/elmar-supporting-south-baltic-smes-to-enter-the-international-supply-chains-sales-markets-for-boats-ships-with-electric-propulsions

- 2017 – 2020 GoLNG – Application Name: GOLNG (LNG Value chain for clean shipping, green ports and blue growth in Baltic Sea Region / Go LNG). Funding agency: South Baltic Cross-border Co-operation Programme 2014-2020. **Partner budget: €200 000.00** overall project budget: €3 297 000,00. Sole Partner from BTH and responsible –Principal Investigator, PI (100%). https://projects.interreg-baltic.eu/projects/go-lng-24.html

- 2017 -2020 CTCC – Creative Traditional Companies Cooperation – CTCC). Funding agency: South Baltic Programme 2014-2020. **Partner budget: €212 900.00** overall project budget: €1 583 075,00. Sole Partner from BTH and responsible as Work-Package Leader 4– Principal Investigator, PI (100%). Project No.   STHB.01.02.00-DE.0077/16-00.   https://southbaltic.eu/-/ctcc-creative-traditional-companies-cooperation

- 2017 Connect2SmallPorts (Seed Money) – Application name South Baltic Small Ports as Gateways towards Integrated Sustainable European Transport Systems and Blue Growth by Smart Connectivity Solutions. Funding agency: South Baltic Cross-border Co-operation Programme 2014-2020. **Partner budget: €7 500,00** overall project budget: €31 975,00. Sole Partner from BTH and responsible – Principal Investigator, PI (100%). https://southbaltic.eu/-/connect2smallports

- 2018 -2021 Connect2SmallPorts – Application name South Baltic Small Ports as Gateways towards Integrated Sustainable European Transport Systems and Blue Growth by Smart Connectivity Solutions. Funding agency: South Baltic Cross-border Co-operation Programme 2014-2020. **Partner budget: €2 500,00** overall project budget: €240 000,00. Sole Partner from BTH and responsible – Principal Investigator, PI (100%). https://southbaltic.eu/-/connect-2-small-ports

- 2019 – 2021 SEMAR – Application name: Secure Digitalisation for Sustainable Maritime Transport Funding agency: EU Interreg South Baltic. Partner budget: €902,324.10 overall project budget €47,324.10. Sole Partner from BTH and responsible – Principal Investigator, PI (100%).

- 2020 – 2022 SYMPHONY – Application name: Supply-and-Demand-based Service Exposure using Robust Distributed Concepts. Funding agency: The Knowledge Foundation, Sweden. Application

number: 2019-0111. **Partner budget: 7 750 500.00 SEK** overall project budget: 3 370 044.00 SEK. Five partners from BTH – Principle Investigator, PI (75%).
https://www.bluesciencepark.se/secmar/article/secmar/

6. PEDAGOGICAL EXPERIENCE

- Summary
  - Course responsible
  - Development of courses: Online and Offline. National and International
  - Lecturer (Belgium, China, India, Sweden, UK and US):
    - University of Antwerp, Belgium (2004-2006)
    - Shanghai Maritime University, Shanghai, China (2019)
    - Jawaharlal Nehru Technical University, Hyderabad, India (2017)
    - Chalmers University, Gothenburg, Sweden (2007-2008)
    - Jönköpping University, Jönköpping, Sweden (2019)
    - Imperial College, London, UK (2007-2009)
    - Old Dominion University, Norfolk, Virginia, USA (2006-2008)
    - UC Berkeley (2016)
  - Thesis advisor (Belgium, Sweden and UK)
  - Advance Topic advisor
  - Examiner
  - Supervisor – Bachelor, Masters and PhD students.
  - Exercise leader
  - Head for small student project teams (software engineering/project supervision)
  - Customer small student projects
  - Written papers on pedagogical development
  - Completed courses in pedagogy "**FLUS**" (15 ECTS credits), Chalmers University (FEA018)
  - Completed course on **CDIO** (7,5 ECTS credits), Blekinge Institute of Technology.

6.1 COURSE DEVELOPMENT /RESPONSIBLE/EXAMINER/PRINCIPLE LECTURER

(2002-2020)   **Intelligent Decision Support Systems (DPT308), (DVD001), (DVD2530) (DVD2573)**
Developed, lectured, managed and responsible

(2002-2014)   **Knowledge Engineering and Management (DVD015), (DV2404)**
Developed, lectured and managed and responsible

6.2 COURSE CO-DEVELOPMENT/CO-EXAMINER/CO-PRINCIPLE LECTURER

(2001-2003)   **Object-oriented programming and data structures with Delphi 5**
Managed and responsible

(2015)   **Object-oriented programming in C++**
Assisted course responsible in classroom and in labs

(2018-2019)   **CTCC - Creative Traditional Companies Cooperation**
Online course for Design Thinking, Innovation and Creativity
Developed 58 page manual, 8 videos and 10 activities www.movecreative.eu/training

6.3 LECTURER

(2018-   )   **Creative Innovation Technology & Management**
Developed, Administered and Lectured and online course for 300+ participants/funded by EU project: CTCC – Creative Traditional Companies Cooperation.

(2001-2017)   **Agent Systems**
Lectured

(2001 -2020)   **Decision Support Systems (DPT308), (DVD001), (DVD2530) (DVD2573)**
Lectured, Supervision and Course Responsible

(2017)   **C++ Distance Course (DV1520)**

Supervision and Course Responsible

(2016)   **Programming in C++ Course (DV1456)**
Supervision and Assistant

(2001-2014) **Knowledge Engineering and Management (DVD015), (DV2404)**
Lectured, Supervision and Course Responsible

(2015)   **Technical Presentation (SV1460)**
Examination and Lectured

(2015-2018) **Computer Science Master of Science (DV2415)**
Reviewer, Examinator and Supverison

(2008-2009) **Intermodal Management, Göteborg University**
Lectured

(2006-2015) **Port Management (MBA), Old Dominion University**
Lectured

(2006-2008) **Terminal Technology, University of Antwerp**
Lectured and Supervision

(2001-2002) **Leadership and work environment (FEA001)**
Lectured

(2002)   **Spatial Planning**
Lectured

(2001)   **Applied Artificial Intelligence (DPT302)**
Lectured

(2000)   **Foundation to Information management (DVD103**)
Lectured and supervision

6.4 ADVISOR, EXAMINER AND SUPERVISION

(2005-2019) **PhD Thesis Supervision**

primary supervior (*main supervisor):

1. Mahwish Anwar (2018-2020) Phd Thesis: Digital Ports. Will handle the day-to-day supervision of this student for the first three years leading to a Licentiate. Goal is to apply for additional funding and assist the PhD student to defend a PhD.

2. Bakhtyar Shoaib (2015) Phd Thesis: Electronic Waybills and services. Handled the day-to-day supervision of this student for the final two years as his supervisors left him and the university did not support financially him in his final year. We co-wrote 3 papers for publication and he defended his PhD with success in May 2016.

secondary supervisor:

3. Xinying, Su (2006) - Prof. Dr. Gerrit K. Janssens, Operations Management and Logistics, Limburg University Centre, Limburg, Belgium. I was invited by Prof. Janessens to help his PhD student and help her with simulation using my software that was developed as part of my PhD studies called, SimPort. This supervision was terminated on 2008 due to the student decided to terminate her studies.

4. Rosso, Violetta (2008) - Prof. Dr. Kent Lumdsden Department of Transportation & Logistics Chalmers University, Gothenburg, Sweden. I was invited by Prof. Lumsden to help this student on finalising her work on Dry Ports. I reviewed and made suggestions to the student, such as applyng more quantitiative work and perhaps simulation. Unfortunately, later in the year the student decided that this was too challenging and our collaboration ended in 1 year. The student did defend her thesis with success.

5. Panagiotis Angeloudis (2008) – Prof. Dr. Michael Bell, Department of Civil Engineering, Imperial College, London, UK. I was invited by Dr. Bell to assist with Panagiotis Angeloudis in reviewing his paper and on further developing an AGV simulator for Container Terminals. I was later asked to be a Board Member of PortTec research group at Imperial College.

6. Jacob Panneerselvam (2017) - I was invited by Dr. Ingrid Rügge at University of Bremen, Germany to help with supervising the student on his research on LNG Automation. Bunkering Principles due to that I had assisted him partly when he submitted his master thesis at University of Klaipeda with Dr. Vytautus Paulaskas. The student is still pursuing with a plan to defend in 2021.

Examiner

7. Thusnavis Bella Mary I (2019) PhD Thesis: Certain Investigations On Image Retrieval Using Statistical Methods And Hybrid Optimization Algorithms. I was invited by Prof. Dr. K.P. Jaya, Director of Research. Faculty of Information and Communication Engineering, Anna University, Chennai, India 600 025.

(2003-2020)   Master Thesis in Computer Science (DV2512) (30 ECTS)
(48 Thesis completed and 7 to be completed in 2020)

1. Schröder, Kai (2002) Master Thesis: Fluid Finder: A visual tag recognition platform for mobile devices, Master Thesis Electrical Engineering, Saarland University, Germany and Blekinge Institute of Technology, Sweden.

2. Chervyakov, A (2003) Master Thesis: Simulation-Based Evaluation of Berth Allocation Policies of Container Terminals, Master Thesis in Computer Science, Blekinge Institute of Technology, Sweden

3. Kosowski, Patrik and Persson, Olof (2006) Master Thesis; Development and evaluation of dispatching strategies for the IPSI™ AGV system, Master's Thesis Software Engineering, Blekinge Institute of Technology, Sweden.

4. Mbiydzenyuy, Gideon (2007) Master Thesis; An Optimization Model for Sea Port Equipment Configuration Case study: Karlshamn-Klaipeda Short Sea Shipping Link, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

5. Gili, Carla and Soler, Estefanía (2007) Master Thesis; Comparison and Evaluation of Different Types of Vehicles to Transport Containers within an Intermodal Terminal: Case study: Port of Barcelona, Master Thesis Engineering Speciality: Transport Blekinge Institute of Technology, Sweden.

6. Santamaría, Diego and de Ramón, Álvaro (2008) Master Thesis; Data Mining Web-Tool Prototype Using Monte Carlo Simulations, Master Thesis Software Engineering Thesis no: MSE-2008-20, August 2008. Blekinge Institute of Technology, Sweden.

7. Aziz, Yassar and Naeem Aslam, Muhammad (2008) Master Thesis: Traffic Engineering with Multi-Protocol Label Switching: Performance Comparison with IP networks, Master Thesis Computer Science. Blekinge Institute of Technology, Sweden.

8. Pereda Bertran, Joan R. (2008) Master Thesis; Comparison and Evaluation of ContaineTransport Equipment using Simulation: A case study of Barcelona's Pratt Container Terminal, Master Thesis Engineering Speciality: Management, Blekinge Institute of Technology, Sweden.

9. Kaim, Karol (2008) Master Thesis; Modelling and Examining Social Agent Behaviours in Multi Agent Environment, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden and Wroclaw University of Technology, Poland.

10. Ghaffari Khan, Osama Adnan (2008) Master Thesis; Analysis and Scheduling of machinery in an Intermodal Terminal by using the OSPF concept, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

11. Sikandar Bakht, Syed and Qazi Sohail. Ahmad (2008) Master Thesis; A Multi Agent Web Based Simulation Model for Evaluating Container Terminal Management, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

12. Jadwiga Górka, Weronika (2008) Master Thesis; Multi Agent usage in decentralized coordination based on Container Terminal AGV traffic management, Master's Thesis

Software Engineering, Blekinge Institute of Technology, Sweden and Wroclaw University of Technology, Poland.

13. Amer Rasheed and Mustansar Ali Khan (2009) Master Thesis; Dispatching Strategies to Evaluate Performance for Automated Guided Vehicles in the Transport of Containers. School of Engineering, Master Thesis Software Engineering, Blekinge Institute of Technology, Sweden.

14. Rashid, Rizwan and Kaleem, Babur (2009) Master Thesis: Evaluating Layouts for Automated Transport System using Simulation Approach, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

15. Asghar Jan, Muhammad (2008) Master Thesis; Adaption of IPTV, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

16. Awais Syed, Ali and Milants, Jan (2009) Master Thesis; Agent based simulation for C-AGVs at Intermodal Terminal, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

17. Ayub, Yasir and Faruki, Usman (2009) Master Thesis: Container Terminal Operations Modeling through Multi-Agent based Simulation, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

18. Güneş, Serkan (2009) Master Thesis; Investment and Financial Forecasting- A Data Mining Approach on Port Industry, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

19. Mehr Ali Shah, Syed (2009) Master Thesis; Usability assessment Method of the open source applications Case Study of OpenOffice.Org 3.0, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

20. Muhammad, Saeed and Ullah, Sami (2009) Master Thesis; Usability Evaluation of Health web portal, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

21. Pawlas, Krzysztof and Zall, Davood (2012) Analysis of Forecasting Methods and Applications of System Dynamics and Genetic Programming: Case Studies on Country Throughput, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

22. Zhang,Pengbo and Zhu, Gang (2013) Requirements and Specifications of ERP systems for SMEs in China. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden

23. Shafqat, Adnan (2014) Master Thesis; Mobile Usability of Intelligent Electric Devices, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

24. Zou, Ming (2014) Master Thesis; Industrial Decision Support System with Assistance of 3D Game Engine Case Studies of Visualization and Interaction Design for Wind Power and Port Control System, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

25. Zhang, Pengbo and Xu, Gang (2014) Master Thesis; Requirements and Specifications of ERP systems for SMEs in China Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

26. García Gutiérrez, Enrique (2014) Master Thesis; Outdoor localization system based on Android and ZigBee capable devices Case study: Position estimation of a lost golf ball, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

27. Iqbal, Mubashir (2015) Master Thesis ; A Multi-agent Based Model for Inter Terminal Transportation, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

28. Gaj, Mateusz (2015) Master Thesis; Calibration of the Krauss car-following model Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

29. Vadlamud, Jithinchand 2015) Master Thesis; Agent Based Electronic Documentation Management System, Master's Thesis Computer Science, Blekinge Institute of

Technology, Sweden.

30. Kamma, Aditya (2015) Master Thesis; Electronic Documentation of Freight Transport, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

31. Emelie Lindahl (2015) Master Thesis; Carlsberg Beer warehousing and Logistics, Master's Thesis Industrial Engineering, Blekinge Institute of Technology, Sweden.

32. Jonas Hantoft (2015) Master Thesis; Dynapac supermarket optimisation, Master's Thesis Industrial Engineering, Blekinge Institute of Technology, Sweden.

33. Cal Krzysztof (2015) Master Thesis; Evaluation of quality of algorithms for planning communication metropolitan network, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

34. Faheem Abbas (2015) Master Thesis; Applying Auction Based Stackiing Algorithms in Improving Performance, Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

35. Omar Nassor (2015) Master Thesis; Web Based Decision Support System for Women's NGOs: Tanzania as a case study. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

36. Apuroop Paleti (2016) Master Thesis; Performance Evaluation of Path Planning Algorithms for Unmanned Aerial Vehicles. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

37. Qin Jiangcheng (2016) Master Thesis; User Behavior Trust Based Cloud Computing Access Control Model. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

38. Siva Venkata Prasad Patta (2017) Master Thesis; Intelligent Decision Support for Compliance Options. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

39. Tejaswi Nunna (2017) Master Thesis; Performance Analysis on Hybrid and Exact methods for soling Clustered VRP A Comparative Study on VRP Algorithms. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

40. Sri Harsah Arakatavemula (2018) Master Thesis; CyberSecurity in the Maritime Industry. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

41. Aniruddh Goteti (2018) Master Thesis; Data-Driven Decision Support Tool for Preliminary Design of Autonomous Machines.

42. Gazi Samia Ahmed (2019) Master Thesis; Liner ship route schedule design with port time windows for LNG bunkering operations. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

43. Hangdong Chen (Tony) (2019) Master Thesis; Exploring whether Blockchain can enhance the efficiency of small ports. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

44. Kushang Patel (2019) Master Thesis; Introducing of Blockchain in Logisitics. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

45. Venkata Sai Teja Pennada (2019) Master Thesis; Concept of blockchain and cryptocurrency in the field of digital supply chains that use multi agent systemsUse Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

46. Yanveer Feisal Snigdho (2019) Master Thesis; Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

47. Yuan Liu (2019) Master Thesis; Machine Learning Approach to forecast empgy container volumes. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

48. Qinyang Hu (2019) Master Thesis; Deployment Cost Evaluation of a blockchain application in Blockchain-as-a-Service Environment. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

49. Aleksandr Silonosov (2020) The effectiveness of FIDO identity for user multi-factor authentication in comparison with digital certificates in Directory Services network. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

50. Chakri Patamsetti (2020) INLO-CART: Intelligent Approaches for Laytime Optimization and Cargo Routing to ensure On-time Delivery in Supply Chain. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

51. Annapureddy Sruthi and Immella Srinivas Sai Charan (2020) Detection of ships from SAR satellite imagery using CNN. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

52. Venkata Sai Sukesh Settipalli and Naga Manendra Kumar Dasireddy (2020) Measuring Toxicity in Text Conversations with an emphasis on reducing Unintended Model Bias. Master's Thesis Computer Science, Blekinge Institute of Technology, Sweden.

Master Thesis in Transportation Economics (30 ECTS)
(3 Thesis/Groups completed)

1. Sykes, Jeremy (2006) Master Thesis; A Survey of Short Sea Shipping, Financing, and Use of a Risk Analysis for Evaluating its Potential: a case study for Ports in the United States. Master of Science in Transport and Maritime Management, University of Antwerp - Institute of Transport and Maritime Management Antwerp, Belgium.

2. Vander Eecken, Henry (2007) Master Thesis; Lessons learned from the European maritime policies and experience for the stimulation of Short Sea Shipping in the United States, Master of Science in Transport and Maritime Management, University of Antwerp - Institute of Transport and Maritime Management Antwerp, Belgium.

3. Dal Won, Kang (2008) Master Thesis; Fully Automated Container Handling Systems for Container Terminals (The case of Pusan New port), Master of Science in Transport and Maritime Management, University of Antwerp - Institute of Transport and Maritime Management Antwerp, Belgium.

(2003-2020) **Bachelor Thesis in Computer Science (DVC001) (PA1445) (DV1478) (15 ECTS) In Software Engineering**
(10 Thesis/Groups completed)

1. Miklovicz, Johan and Nilsson, Johan (2002). The Enemy within internal computer crimes, Bachelor Thesis Computer Science, Blekinge Institute of Technology, Sweden.

2. Bolmsten, Johan and Andersson, Martin (2002). Findign the right knowledge: Acase study in knowledge mapping, Bachelor Thesis Computer Science, Blekinge Institute of Technology, Sweden.

3. Chervyakov, Anatoly and Hellström, Andreas (2002). Global Software Development, Bachelor Thesis Computer Science, Blekinge Institute of Technology, Sweden.

4. Sörensson Christian and Johnsson, Andrea (2002). UTMS vs GSM, Bachelor Thesis Computer Science, Blekinge Institute of Technology, Sweden.

5. Petersson, Linus (2003). Peer-To-Peer – time to lock the door. Bachelor Thesis Computer Science, Blekinge Institute of Technology, Sweden.

6. Nilsson, Björn and Stålbäck, Daniel (2003). VPN technique in a Wireless Local Area Network, WLAN, Bachelor Thesis Computer Science, Blekinge Institute of Technology, Sweden.

7. Bragvad, Magdalena and Kocacenk, Selda (2003). VodafoneLive! vs I-mode, Bachelor Thesis Computer Science, Blekinge Institute of Technology, Sweden

8. Sebastian Genlund (2015). Using AI in developing Games, Bachelor Thesis Computer Science, Blekinge Institute of Technology, Sweden.

9. Yulia Lizneva (2020). Digitalization Architectures in Seaports, Bachelor Thesis Software Engineering, Blekinge Institute of Technology, Sweden.

10. Victor Falkengaard Itzel (2020). Optimizing the Midpoint-Displacement Algorithm for Large Spaces in Three Dimension. Bachelor Thesis Computer Science, Blekinge Institute of Technology, Sweden.

(2020)   **Master's Thesis (120 credits) in Electrical Engineering with emphasis on Telecommunication Systems (ET2606)**
Reviewer of 5 Master Thesis.

(2018)   **Software Projects (PA 2018)**
Supervised students in their projects related to Software Engineering (5 students)

(2001-2003)   **Systems development project (DAB206), (PAB004)**
Lectured and Supervision of 8 groups (6-8 students per group)

(2001)   **Systemvetenskaplig Utredning (DAB205)**

1. Thern, Henrik, Sörensson, Christian, Holmberg, Anna-Karin and Hellkvist, Lina (2001) Humanlike robots – A scientific study on AI.
2. Degerman, Fredrik, Friberg, Hanna, Johnsson, Anreas and Petersson, Caroline (2001) Information Overload: A Scientific Study on Information Overload in Companies.

(2002-2006)   **Advanced Topic in Software Engineering (PAD004)**
Supervision of 15 groups (1-3 students per group)

(2002)   **Interactive web management (DVA005)**
Supervision

(2001-2002)   **Systems science research (DVB008)**
Supervision

(2001)   **Object-oriented programming and system construction (DAD105)**
Supervision of 5 student groups (4-6 students per group)

(2001)   **Group Projects (DDVX)**
Supervision

(2001-2002)   **Candidate work in ADB (DABX35)**
Supervision of thesis work by 11 student groups

7. SERVICE AND OTHER

- Member of Swedish ITS – Intelligent Transportation Systems, PhD school 2010 – 2017.
- International Coordinator at Blekinge Institute of Technology 2006- 2010.
- International Coordinator for Computer Science Department at Blekinge Institute of Technology 2007.
- Member of Hellenic Transportation Society 2002.
- Member on the Ph.D. student council at Blekinge Institute of Technology 2002-2006.
- Member of Tau Kappa Epsilon Fraternity 1989.
- Member of Association of Computer Machinery 2001.
- Member of Swedish Artificial Intelligence Society 2001.
- Member of Society of Computer Simulation 2002.
- Who's Who 2003 – 2016
- Member of Transportation Research Board – committee on waterways and channels 2016 - present.

Skills Languages
- English – mother tongue
- Spanish – nine years of language training (+ 4 at university level)
- Greek – mother's tongue
- Swedish – (18 years living in Sweden)
- German – rudimentary, living in Germany (2 years and wife is German)

- Flemish – rudimentary, lived 2 years in Antwerp, Belgium
- Russian – rudimentary, 1 year advance language training in 1991
- Mandarin Chinese – rudimentary, acquired during work with EVERGREEN

Computer

Programming/Languages: VB.Net; C#; .Net; C; C++; ASP.Net; Python, VBA, Java, Visual Basic; SharePoint; PHP; MySQL; HTML; Ant; Python.   Databases Management: Oracle 8.x/9.x, SQL Server, MS

Access Design & IDE Tools: Rational Rose, UML, WSAD, Oracle WebLogic

Server Systems: Windows Server 2016, Linux/Unix, Mac OS

Python, Tableu, R, LAN/WAN Protocols, Basic, Sun Open Windows, Windows XP, Office, Fortran, Pascal, Cobal, Delphi 5, Work with UNIX. Linux, Java, C++, SPSS, CPLEX, AMPL, and Stella.

Honors

(2005)	Recipient of MSC Containerisation Award – "Encouragement Award" ~ €1,000
(2005)	Scholarship from Hamburg Hafen & Lagerhaus Gesellschaft (HHLA) for COMPIT ´05 in Haus Rissen, Hamburg, Germany.
(2004)	Grant for PhD Supply Chain Management course at Mölde University, Norway.
(**2004**)	Scholarship from TRIBON Ship Systems AB to present research at European Union sponsored conference, Sigüenza, Spain.
(2002)	Scholarship from European Union; to present research on Container Terminal Automation at conference in Hamburg, Germany.
(1999)	Recipient of Libertas Humanitas Scholarship award to study at ITMMA, University of Antwerp, Belgium (250,000 BEF).

8. REFERENCES

- Prof. Dr. Niklas Lavesson, **Jönköping University**, +46 36-10 1458 niklas.lavesson@ju.se
- Prof. Michael Bell, **Imperial College & University of Sydney**, +61 2-9114-1816 michael.bell@sydney.edu.au
- Prof. Wayne Talley, **Old Dominion University**, +1 757-683-3534, wktalley@odu.edu
- Prof. Johan Woxenius, **University of Gothenburg** +46(0) 31-786-1453, johan.woxenius@handels.gu.se
- Prof. Theo Notteboom, **University of Antwerp**, +32(0) 2655149 theo.notteboom@uantwerpen.be
- Prof. Kent Lumsden, **Chalmers University**, +46 (0)31 7721345, kenth.lumsden@chalmers.se
- Prof. Tony Gorscheck, **Blekinge Institute of Technology**, +46 (0)455 385817, tgo@bth.se
- Prof. Gerrit Janssens, **University of Hasselt**, +32(0) 11-269119, gerrit.janssens@uhasselt.be

- **Certificates and letter of recommendation are attached**
- **Degrees and Thesis can are attached**

Dubai, UAE 2020-06-11

Lawrence E Henesey