

CURRICULUM VITAE

Name: **KJETIL FAGERHOLT**
Born: July 11th 1969
Nationality: Norwegian
Languages: Norwegian, English
Present Positions: Professor in Operations Research, Norwegian University of Science and Technology, Department of Industrial Economics and Technology Management (since 2007)
Adjunct Professor in Maritime Logistics, Norwegian University of Science and Technology, Department of Marine Technology (since 2001)
Senior Scientific Advisor, MARINTEK (since 2005)
Degrees: Ph.D in Maritime Logistics Optimisation, Norwegian University of Science and Technology, Department of Marine Technology (1999)
Master of Science in Marine Technology, Norwegian Institute of Technology, NTH (1993)
Economist, Trondheim Business School, 2 years (1994)

Past experience:

2005 – 2007: Norwegian University of Science and Technology, Department of Industrial Economics and Technology Management, Post doc.
2003 - 2005: Pipelife Norge AS, Logistics Manager, (Head of logistics and service department (20 persons), responsible for purchasing, production planning, warehousing and ordering/service)
1995 – 2003: MARINTEK, Senior Research Engineer. Project examples:

- ✓ TurboRouter. Development and implementation of an optimisation based Decision Support System (DSS) for ship routing and scheduling, 1999 - 2003 (project manager). TurboRouter is now a commercial available DSS that has been implemented and used by several shipping companies.
- ✓ Analysis for determining optimal fleet and routing policies for supply vessels in the North Sea, Statoil, 1998 - 1999, 2002, 2008-2009.
- ✓ Development of a Decision Support Model for design of a supply chain including sea transport, Wilh. Wilhelmsen, 2001 (project manager).
- ✓ Location analysis including environmental analysis, Hydro Agri, 1996, 2000 - 2001 (project manager).

Research and industry projects - examples:

2014-: GREENSHIPRISK – “Green Shipping under Uncertainty”. Funded by the Research Council of Norway and industry partners (Western Bulk and Odfjell Tankers). Project manager at IØT: Kjetil Fagerholt.
2010-2014 MARFLIX – “Maritime Fleet Size and Mix”. Funded by the Research Council of Norway and industry partners (Wallenius Wilhelmsen Logistics and DNV proNavis). Project manager at IØT: Kjetil Fagerholt.

2008-2013	DESIMAL – “Decision support in maritime logistics”. Funded by the Research Council of Norway, industry partners (Saga Forest Carriers) and MARINTEK. Subproject manager 2008: Kjetil Fagerholt. Total budget subproject: 8.0 MNOK.
2007-2012:	MARRISK – “Risk and resilience in maritime logistics”. Funded by the Research Council of Norway. Project manager at IØT: Kjetil Fagerholt.
2008-2009:	Optimizing fleet utilization for offshore supply vessels. Industry partner: StatoilHydro.
2006-2009:	ExxonMobil – Research cooperation project. Project leader: Kjetil Fagerholt, NTNU.
2004-2007:	INSUMAR – “Integrated supply chain and maritime transportation planning”. Funded by the Research council of Norway, Industrial partners and NTNU. Total budget: 6.3 MNOK. Project leader: Kjetil Fagerholt, NTNU.
2005-2007:	OPTILOG – “Optimizing the production and logistics in integrated manufacturing supply chains”, Funded by the Research council of Norway and the industry partners; Pipelife Norway and Ahlsell. Total budget: 12.6 MNOK. Project leader (2005): Kjetil Fagerholt.
2005-2009:	OPTIMAR – “Optimization in Maritime transportation and logistics”, Funded by the Research council of Norway. Total budget: 5.4 MNOK.
2005-2008:	SINTEF Corporation initiative on Maritime transportation and logistics. Funded by SINTEF 9.8 MNOK. Total budget: 44.6 MNOK. Administrative leader: Atle Minsaas, MARINTEK. Project manager MARINTEK (2005-2006): Kjetil Fagerholt, Leader SINTEF IKT: Geir Hasle, Leader SINTEF Technology and Society: Marielle Christiansen/Frode Rømo.

Organizing conferences and workshops - examples:

2016:	Stream organizer on maritime transportation at EURO 2016 (with M. Christiansen and H. Andersson), Poznan, Poland.
2015:	Stream organizer on maritime transportation at EURO 2015 (with M. Stålhane and H. Andersson), Glasgow, Great Britain.
2014:	Stream organizer on maritime transportation at IFORS 2014 (with H. Andersson), Barcelona, Spain.
2009:	Workshop on Maritime transport optimization and vehicle routing, Trondheim, Norway.
2008:	Workshop on Maritime transport optimization and multi-dimensional packing problems, Trondheim, Norway.
2007:	Workshop in Vehicle routing, Trondheim, Norway.
2006:	Stream organizer on maritime transportation at EURO 2006 (with M. Christiansen), Reykjavik, Iceland.
2006:	OPTIMAR workshop, Trondheim, Norway
2005:	Optimization in Maritime transportation and logistics workshop, Trondheim, Norway (with M. Christiansen)

Student supervision:

2016-....:	PhD Supervisor of Bo Dong, IØT (Subject: Ship routing and scheduling and maritime fleet deployment)
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2010-2014:	PhD Supervisor of Giovanni Pantuso, IØT (Subject: Fleet renewal in maritime transportation)
2009-2017:	PhD Supervisor of Inge Norstad, IØT (Subject: Optimization in maritime transportation and logistics)
2007-2012:	PhD Supervisor of Elin E. Halvorsen-Weare, IØT (Subject: Risk and robustness in maritime transport optimization)
2005-2009:	PhD Supervisor of Jarl Eirik Korsvik, IMT (Subject: Heuristic methods for ship routing and scheduling)
2008-2013:	PhD Co-supervisor of Magnus Stålhane, IØT (Subject: Optimization in maritime transportation and logistics), which was awarded the Exxon Mobil's research prize for eminent PhD thesis within applied research
2009-2013:	PhD Co-supervisor of Océane Balland, IMT (Subject: Optimization based decision support for conceptual design of sustainable ship-fleet systems)
2011-....:	PhD Co-supervisor of Rikard Bakkehaug, IMT (Subject: Maritime fleet renewal and deployment)
2012-....:	PhD Co-supervisor of Eirik Fernandez Cuesta, IØT (Subject: Offshore helicopter transportation and supply logistics)

Supervision of approximately 60 master students.

Citation analysis

- Number of citations: 4208 according to Google Scholar, 1901 according to Scopus (April 2017)
- H-index: 32 according to Google Scholar, 22 according to Scopus (April 2016)

Selected academic and professional publications in Peer-reviewed journals:

- 2017: M. J. Arnesen, M. Gjestvang, X. Wang, K. Fagerholt, K. Thun and J. Rakke, "A traveling salesman problem with pickups and deliveries, time windows and draft limits: case study from chemical shipping". *Computers & Operations Research* 77, 20-31.
- 2017: E. F. Cuesta, I. K. Norddal, H. Andersson and K. Fagerholt, "Base location and helicopter fleet composition in the oil industry". *INFOR* 55(2), 71-92.
- 2016: E. F. Cuesta, H. Andersson, K. Fagerholt and G. Laporte, "Vessel routing with pickups and deliveries: An application to the supply of offshore oil platforms". Accepted for publication in *Computers & Operations Research*.
- 2016: M. Christiansen, K. Fagerholt, N. Rachaniotis and M. Stålhane "Operational planning for routes and schedules for a fleet of fuel supply vessels". Accepted for publication in *Transportation Research Part E*.
- 2016: O. Mørch, K. Fagerholt, G. Pantuso and J. Rakke, "Maximizing the rate of return on the capital employed in shipping capacity renewal". Accepted for publication in *OMEGA*.
- 2016: G. Pantuso, K. Fagerholt and S. W. Wallace, "Which uncertainty is important in multistage stochastic programs? A case from maritime transportation". Accepted for publication in *IMA Journal of Management Mathematics*.
- 2016: S. Chandra, M. Christiansen and K. Fagerholt, "Combined Fleet Deployment and Inventory Management in roll- on/roll-off shipping". Accepted for publication in *Transportation Research Part E*.
- 2016: K. Fagerholt and E. E. Halvorsen-Weare, "Optimization in offshore supply vessel planning".

- 2016: A. Fischer, H. Nokhart, H. Olsen, K. Fagerholt, J. Rakke and M. Stålhane, “Robust planning and disruption management in roll-on roll-off liner shipping”. *Transportation Research Part E* 91, 51-67.
- 2016: J. Hansen, I. Hukkelberg, K. Fagerholt and M. Stålhane, “2D-packing with an application to stowage in roll-on roll-off liner shipping”. *Lecture Notes in Computer Science - Computational Logistics* (Eds:), 35-49, Springer-Verlag Berlin Heidelberg.
- 2016: N. Albjerk, T. Danielsen, S. Krey, K. Fagerholt and M. Stålhane, “A vessel pickup and delivery problem from the disruption management in offshore supply vessel operations”. *Lecture Notes in Computer Science - Computational Logistics* (Eds:), 50-64, Springer-Verlag Berlin Heidelberg.
- 2016: H-M. Espegren, J. Kristianslund, H. Andersson and K. Fagerholt, “The static bicycle repositioning problem – Literature survey and new formulation”. *Lecture Notes in Computer Science - Computational Logistics* (Eds:), 337-351, Springer-Verlag Berlin Heidelberg.
- 2016: G. Pantuso, K. Fagerholt and S. W. Wallace, “Uncertainty in fleet renewal: a case from maritime transportation”. *Transportation Science* 50(2), 390-407.
- 2016: R. Bakkehaug, J. G. Rakke, K. Fagerholt and G. Laporte, ”An adaptive large neighborhood search heuristic for fleet deployment problems with voyage separation requirements”. *Transportation Research Part C* 70, 129-141.
- 2015: M. Vestli, L. Lundsbakken, K. Fagerholt and L. M. Hvattum, “Scheduling fighter squadron training missions using column generation”. *Optimization Letters* 9(8), 1659-1674.
- 2015: S. Chandra, K. Fagerholt and M. Christiansen, “Maritime fleet deployment in ro-ro shipping under inventory constraints”. *Procedia – Social and Behavioral Sciences* 189, 362-375.
- 2015: K. Fagerholt and H. N. Psaraftis, “On two speed optimization problems for ships that sail in and out of emission control areas”. *Transportation Research Part D* 39, 56-64.
- 2015: G. Pantuso, K. Fagerholt and S. W. Wallace, “Solving hierarchical stochastic programs: application to the maritime fleet renewal problem”. *INFORMS Journal on Computing* 27(1), 89-102.
- 2015: M. Christiansen, K. Fagerholt, N. P. Rachaniotis, I. Tveit and M. V. Øverdal, “A decision support model for routing and scheduling a fleet of fuel supply vessels”. *Lecture Notes in Computer Science - Computational Logistics* (Eds: Corman, Voss and Negenborn), Vol. 9335, 46-60, Springer-Verlag Berlin Heidelberg.
- 2015: H. Andersson, E. F. Cuesta, K. Fagerholt, N.T. Gausel and M. R. Hagen, “Order management in the offshore oil and gas industry”. *Lecture Notes in Computer Science - Computational Logistics* (Eds: Corman, Voss and Negenborn), Vol. 9335, 648-657, Springer-Verlag Berlin Heidelberg.
- 2015: Ø. Patricksson, K. Fagerholt and J. G. Rakke, “The fleet renewal problem with regional emission limitations: Case study from Roll-on/roll-off shipping”. *Transportation Research Part C* 56, 346-358.
- 2015: K. Fagerholt, N. T. Gausel, J. G. Rakke and H. N. Psaraftis, “Maritime routing and speed optimization with emission control areas”. *Transportation Research Part C* 52, 57-73.
- 2015: S. Solem, K. Fagerholt, S. O. Erikstad and Ø. Patricksson, “Optimization of diesel electric machinery system configuration in conceptual ship design”. *Journal of Marine Science and Technology* 20(3), 406-416.
- 2015: O. Balland, C. Girard, S. O. Erikstad and K. Fagerholt, ”Optimized selection of vessel air emission controls – moving beyond cost-efficiency”. *Maritime Policy & Management* 42(4),

- 362-376.
- 2015: H. Andersson, K. Fagerholt and K. Hobbesland, "Integrated maritime fleet deployment and speed optimization: Case from RoRo shipping". *Computers & Operations Research* 55, 233-240.
- 2015: I. Norstad, K. Fagerholt, L. M. Hvattum, H. S. Arnulf and A. Bjørkli, "Maritime fleet deployment with voyage separation requirements". *Flexible Services and Manufacturing* 27(2-3), 180-199.
- 2014: M. Christiansen and K. Fagerholt, "Ship routing and scheduling in industrial and tramp shipping". Invited chapter to *Vehicle Routing: Problems, Methods, and Applications*, 2nd ed. (eds. Toth and Vigo), SIAM, 381-408.
- 2014: M. Stålhane, H. Andersson, M. Christiansen and K. Fagerholt, "Vendor managed inventory in tramp shipping". *OMEGA – The International of Management Science* 47, 60-72.
- 2014: R. Bakkehaug, E. E. Eidem, K. Fagerholt and L. M. Hvattum, "A stochastic programming formulation for strategic fleet renewal". *Transportation Research Part E* 72, 60-76.
- 2014: A. Hemmati, L. M. Hvattum, I. Norstad and K. Fagerholt, "Benchmark suite for industrial and tramp ship routing and scheduling problems". *INFOR* 52(1), 28-38.
- 2014: O. Balland, S. O. Erikstad and K. Fagerholt, "Concurrent design of vessel machinery system and air emission controls to meet future air emissions regulations". *Ocean Engineering* 84, 283-292.
- 2014: G. Pantuso, K. Fagerholt and L. M. Hvattum, "A survey on maritime fleet size and mix problems". *European Journal of Operational Research* 235(2), 341-349.
- 2013: O. Balland, S. O. Erikstad, K. Fagerholt and S. W. Wallace, "Planning vessels air emission regulations compliance under uncertainty". *Journal of Marine Science and Technology* 18(3), 349-357.
- 2013: E. E. Halvorsen-Weare, K. Fagerholt and M. Rönnqvist, "Routing and scheduling under uncertainty in the liquefied natural gas business". *Computers & Industrial Engineering* 64, 290-301.
- 2013: L. M. Hvattum, I. Norstad, K. Fagerholt and G. Laporte, "Analysis of an exact algorithm for the vessel speed optimization problem". *Networks* 62(2), 132-135.
- 2013: K. Fagerholt, L. M. Hvattum, T. A. V. Johnsen and J. E. Korsvik, "Routing and scheduling in project shipping". *Annals of Operations Research* 207(1), 67-81.
- 2013: M. Christiansen, K. Fagerholt, B. Nygreen and D. Ronen, "Ship routing and scheduling in the new millennium". *European Journal of Operational Research* 228, 467-483.
- 2013: G. Tirado, L. M. Hvattum, K. Fagerholt and J-F. Cordeau, "Heuristics for dynamic and stochastic routing in industrial shipping". *Computers & Operations Research* 40, 243-253.
- 2013: E. E. Halvorsen-Weare and K. Fagerholt, "Routing and Scheduling in a Liquefied Natural Gas Shipping Problem with Inventory and Berth Constraints". *Annals of Operations Research*. 203(1), 167-186.
- 2013: K. Fagerholt and D. Ronen, "Bulk ship routing and scheduling: Solving practical problems may provide better results". *Maritime Policy & Management* 40(1), 48-64.
- 2012: M. Hausken, H. Andersson, K. Fagerholt and T. Flatberg, "Scheduling the Norwegian football league". Accepted/retracted for publication in *International Transactions in Operational Research*.
- 2012: E. E. Halvorsen-Weare, K. Fagerholt, L. M. Nonås and B. E. Asbjørnslett, "Optimal fleet composition and periodic routing of offshore supply vessels". *European Journal of*

- 2012: A. Shyshou, I. Gribkovskaia, G. Laporte and K. Fagerholt, "A large neighbourhood search heuristic for a periodic supply vessel planning problem arising in offshore oil and gas". *INFOR* 50(4), 195-204.
- 2012: O. Balland, S. O. Erikstad and K. Fagerholt, "Optimized selection of air emission controls for vessels". *Maritime Policy & Management* 39(4), 387-400.
- 2012: J. G. Rakke, M. Christiansen, K. Fagerholt and G. Laporte, "The traveling salesman problem with draft limits". *Computers & Operations Research* 39, 2161-2167.
- 2012: F. Hennig, B. Nygreen, M. Christiansen, K. Fagerholt, K.C. Furman, J. Song, G.H. Kocis and P.H. Warrick, "Maritime crude oil transportation – a split pickup and split delivery problem". *European Journal of Operational Research* 218(3), 764-774.
- 2012: M. Stålhane, J. G. Rakke, H. Andersson, M. Christiansen and K. Fagerholt, "A construction and improvement heuristic for a liquefied natural gas inventory routing problem". *Computers & Industrial Engineering* 62(1), 245-255.
- 2011: B. O. Øvstebø, L. M. Hvattum and K. Fagerholt, "Optimization of stowage plans for RoRo ships". *Computers & Operations Research* 38, 1425-1434.
- 2011: H. Andersson, J. M. Duesund and K. Fagerholt, "Ship routing and scheduling with cargo coupling and synchronization constraints". *Computers & Industrial Engineering* 61, 1107-1116.
- 2011: M. Christiansen and K. Fagerholt, "Some thoughts on research directions for the future: Introduction to the special issue in maritime transportation". *INFOR* 49(2), 75-77.
- 2011: B. O. Øvstebø, L. M. Hvattum and K. Fagerholt, "Routing and scheduling of RoRo ships with stowage constraints". *Transportation Research: Part C* 19, 1225-1242.
- 2011: H. Andersson, M. Christiansen and K. Fagerholt, "Maritime pickup and delivery problems with split loads". *INFOR* 49(2), 79-91.
- 2011: S. O. Erikstad, K. Fagerholt and S. Solem, "A ship design and deployment model for non-cargo vessels using contract scenarios". *Ship Technology Research* 58(3), 132-141.
- 2011: E. Halvorsen-Weare and K. Fagerholt, "Robust supply vessel planning". *Lecture Notes in Computer Science* (International Network Optimization Conference) 6701 (Eds: Pahl, Reiners and Voss), Springer-Verlag Berlin Heidelberg, 559-573.
- 2011: M. Christiansen, K. Fagerholt, T. Flatberg, Ø. Haugen, O. Kloster and E. H. Lund, "Maritime inventory routing with multiple products: A case study from the cement market". *European Journal of Operational Research* 208(1), 559-571.
- 2011: J. E. Korsvik, K. Fagerholt and G. Laporte, "A large neighbourhood search heuristic for ship routing and scheduling with split loads". *Computers & Operations Research* 38, 474-483.
- 2011: I. Norstad, K. Fagerholt and G. Laporte, "Tramp ship routing and scheduling with speed optimization". *Transportation Research: Part C* 19, 853-865.
- 2011: J. G. Rakke, M. Stålhane, C. R. Moe, H. Andersson, M. Christiansen, K. Fagerholt and I. Norstad, "A rolling horizon heuristic for creating a liquefied natural gas annual program". *Transportation Research: Part C* 19, 896-911.
- 2010: K. Fagerholt, M. Christiansen, L. M. Hvattum, T. A. V. Johnsen and T. J. Vabø, "Strategic planning in maritime transportation". *OMEGA – The International of Management Science* 38, 465-474.
- 2010: K. Fagerholt, G. Laporte and I. Norstad, "Reducing fuel emissions by optimizing speed on shipping routes". *Journal of the Operational Research Society* 61, 523-529.

- 2010: J. E. Korsvik and K. Fagerholt, "A tabu search heuristic for ship routing and scheduling with flexible cargo quantities". *Journal of Heuristics* 16(2), 117-137.
- 2010: J. E. Korsvik, K. Fagerholt and G. Laporte, "A tabu search heuristic for ship routing and scheduling". *Journal of the Operational Research Society* 61, 594-603.
- 2010: E. Rokstad, S. O. Erikstad and K. Fagerholt, "A decision support model for minimizing sloshing risk in LNG discharge operations". *Ship Technology Research* 57(3), 154-162.
- 2010: H. Andersson, M. Christiansen and K. Fagerholt, "Transportation planning and inventory management in the LNG supply chain". *Energy, Natural Resources and Environmental Economics*, Springer, 427-439.
- 2009: M. Christiansen, K. Fagerholt, G. Hasle, B. Nygreen and A. Minsaa, "Maritime transport optimization: An ocean of opportunities". *OR&MS Today* April 2009.
- 2009: K. Fagerholt, T. A. V. Johnsen and H. Lindstad, "Fleet deployment in liner shipping – A case study". *Maritime Policy & Management* 36(5), 397-409.
- 2009: K. Fagerholt, B. Foss and O. J. Horgen, "A decision support model for establishing an air taxi service: A case study". *Journal of the Operational Research Society* 60, 1173-1182.
- 2009: K. Fagerholt, J. E. Korsvik and A. Løkketangen, "Ship routing and scheduling with persistence and distance objectives". In *Innovations in Distribution Logistics*, of the series *Lecture Notes in Economics and Mathematical Systems*, Springer, 89-108.
- 2009: L. M. Hvattum, K. Fagerholt and V. Armentano, "Tank allocation problems in maritime bulk shipping". *Computers & Operations Research* 36, 3051-3060.
- 2009: M. Christiansen and K. Fagerholt, "Maritime inventory routing problems". *Encyclopedia of Optimization*, 2nd edition, C. A. Floudas and P. M. Pardalos (eds), 1947-1955.
- 2007: K. Fagerholt and H. Lindstad, "TurboRouter: An interactive optimisation-based decision support system for ship routing and scheduling". *Maritime Economics and Logistics* 9, 214-233.
- 2007: M. Christiansen, K. Fagerholt, B. Nygreen and D. Ronen, "Maritime Transportation". Invited chapter to *Handbooks in Operations Research and Management Science, Volume 14: Transportation*, 189-284.
- 2007: G. Brønmo, M. Christiansen and K. Fagerholt and B. Nygreen, "A multi-start local search heuristic for ship scheduling - A computational study". *Computers & Operations Research* 34, 900-917.
- 2004: M. Christiansen, K. Fagerholt and D. Ronen, "Ship routing and scheduling – status and perspectives". *Transportation Science* 38(1), 1-18.
- 2004: K. Fagerholt, "A computer-based decision support system for vessel fleet scheduling – Experience and future research". *Decision Support Systems* 37(1), 35-47.
- 2004: K. Fagerholt, "Designing optimal routes in a liner shipping problem". *Maritime Policy and Management* 31(4), 259-268.
- 2002: M. Christiansen and K. Fagerholt, "Robust ship scheduling with multiple time windows". *Naval Research Logistics* 49, 611-625.
- 2002: K. Fagerholt and B. Rygh, "Design of a sea-borne system for fresh water transport – A simulation analysis". *Belgian Journal of Operations Research, Statistics and Computer Science* 40(3-4), 137-146.
- 2001: K. Fagerholt, "Ship scheduling with soft time windows – An optimisation based approach". *European Journal of Operational Research* 131(3), 559-571.

- 2000: K. Fagerholt and M. Christiansen, "A travelling salesman problem with allocation, time window and precedence constraints - An application to ship scheduling". *International Transactions in Operational Research* 7(3), 231-244.
- 2000: K. Fagerholt, A. Loktu and S. I. Heimdal, "Shortest path in the presence of obstacles – An application to ocean shipping". *Journal of the Operational Research Society* 51(6), 683-688.
- 2000: K. Fagerholt, "Evaluating the trade-off between the level of customer service and transportation costs in a ship scheduling problem". *Maritime Policy and Management* 27(2), 145-153.
- 2000: K. Fagerholt and H. Lindstad, "Optimal policies for maintaining a supply service in the Norwegian Sea". *OMEGA – The International Journal of Management Science* 28(3), 269-275.
- 2000: K. Fagerholt and M. Christiansen, "A combined ship scheduling and allocation problem". *Journal of the Operational Research Society* 51(7), 834-842.
- 1999: K. Fagerholt, "Optimal fleet design in a ship routing problem". *International Transactions in Operational Research* 6(5), 453-464.
- 1999: K. Fagerholt, "A simulation study on the design of flexible cargo holds in small sized bulk ships". *Maritime Policy and Management* 26(2), 105-109.
- 1998: K. Fagerholt and S. I. Heimdal, "Algorithms for effective transfer of ballast for an oil installation". *Journal of the Operational Research Society* 49(1), 16-22.

More than 130 contributions at international conferences (presentations with proceedings/abstracts)

Reviewer for peer-reviewed journals

- ✓ *Transportation Science*
- ✓ *EURO Journal on Transportation and Logistics*
- ✓ *Annals of Operations Research*
- ✓ *Interfaces*
- ✓ *Networks*
- ✓ *European Journal of Operational Research*
- ✓ *Naval Research Logistics*
- ✓ *Computers & Operations Research*
- ✓ *EURO Journal on Transportation and Logistics*
- ✓ *OMEGA, The International Journal of Management Science*
- ✓ *Journal of the Operational Research Society*
- ✓ *Optimization Letters*
- ✓ *IIE Transactions*
- ✓ *Transportation Research: Part C*
- ✓ *Transportation Research: Part D*
- ✓ *Transportation Research: Part E*
- ✓ *IMA Journal of Management Mathematics*
- ✓ *International Transactions in Operational Research*
- ✓ *Maritime Policy & Management*

- ✓ *Journal of Heuristics*
- ✓ *Computers and Industrial Engineering*
- ✓ *International Journal of Operations Research*
- ✓ *Asia-Pacific Journal of Operational Research*
- ✓ *INFOR*
- ✓ *Flexible Services and Manufacturing*
- ✓ *4OR – A Quarterly Journal of Operational Research*
- ✓ *Advances in Operations Research*
- ✓ *Mathematical Problems in Engineering*
- ✓ *Energy, Natural Resources and Environmental Economics, Springer*

Miscellaneous

- Associate Editor in *Transportation Science*, 2015-
- Associate Editor in *Flexible Services and Manufacturing*, 2017-
- Associate Editor in *Asia-Pacific Journal of Operational Research*, 2011-
- Deputy Editor in *Journal of Marine Science and Technology* , 2010-
- Guest Editor in *Flexible Services and Manufacturing* (2016)
- Guest editor (with M. Christiansen) in *INFOR* for a special issue in maritime transportation, 2011
- Leader of GEMINI Centre for Maritime Logistics (2014)
- Chair of expert committee of Bernt Fossum's Fund, 2015-
- Member of the committee of Nordea Bank Norges Legat, 2010-
- Member of the Scientific committee of a number of international conferences, including Odysseus 2012 and 2015, TRISTAN 2010, 2013 and 2016, ICCL 2011, 2012, 2013, 2014, 2015, 2016 and 2017, LOGMS 2011, 2012, 2013, 2014, 2015, and 2017.
- 2015: Award for best master student supervisor Dept. of Industrial Economics and Technology Management (appointed by the students).
- 2011: Award for best lecturer years 1-3 at Dept. of Industrial Economics and Technology Management (appointed by the students)
- Member of the following PhD evaluation committees :
 - 2016: Candidate: Anders N. Gullhav, Norwegian University of Science and Technology. "Optimization-based resource allocation in cloud computing". Supervisor: Bjørn Nygreen.
 - 2014: Candidate: Xin Wang, Lancaster University Management School, Lancaster, UK. "Stochastic scheduled network design". Supervisor: Professor Stein W. Wallace.
 - 2013: Candidate: Christian E. M. Plum, Denmark Technical University, Copenhagen, Denmark. "Optimization of container line networks with flexible demands". Supervisor: Professor David Pisinger.
 - 2012: Candidate: Shuaian Wang, National University of Singapore, Singapore. "Container transportation network modeling and optimization". Supervisor: Associate Professor Q. Meng.
 - 2012: Candidate: Fubin Qian, Molde University College, Molde, Norge. "Passenger risk minimization in helicopter transportation for the offshore petroleum industry". Supervisor: Professor Irina Gribkovskaia.
 - 2012: Candidate: Karina H. Kjeldsen, Aarhus School of Business, Aarhus University, Århus, Denmark: "Routing and scheduling in liner shipping". Supervisor: Professor Jens Lysgaard.

- 2009: Candidate: Karina H. Kjeldsen, Aarhus School of Business, Aarhus University, Århus, Denmark. Evaluation of Thesis Proposal: “Liner shipping – network design, routing and scheduling”. Supervisor: Professor Jens Lysgaard.
- 2008: Candidate: Johan Oppen, Molde University College, Molde, Norge. “Rich models in vehicle routing”. Supervisor: Professor Arne Løkketangen.