

## Publikationer

### **Critical Spare Parts Management in Maritime Shipping: Selection and Control**

Pahl, J., Patzke, M. & Saeed, S., 2024, *Proceedings of the 57th Annual Hawaii International Conference on System Sciences, HICSS 2024*. Bui, T. X. (red.). HICSS, s. 1390-1399 (Proceedings of the Annual Hawaii International Conference on System Sciences).

### **Cyber Security Assessment of An Interoperable Port Call and Voyage Optimization tool**

Hacks, S. & Pahl, J., 2024, I: *Journal of Physics: Conference Series*. 2867, 1, 12 s., 012047.

### **Introduction to the Minitrack "Intelligent Decision Support for Logistics and Supply Chain Management"**

Pahl, J. & Voß, S., 2024, *Proceedings of the 57th Annual Hawaii International Conference on System Sciences, HICSS 2024*. Bui, T. X. (red.). HICSS, s. 1369 1 s. (Proceedings of the Annual Hawaii International Conference on System Sciences).

### **Just-in-Time Port Call Optimization: Challenges and IT-Systems**

Pahl, J., 2024, I: *Journal of Physics: Conference Series*. 2867, 1, 13 s., 012009.

### **Introduction to the Minitrack "Intelligent Decision Support for Logistics and Supply Chain Management"**

Pahl, J. & Voss, S., 2023, *Proceedings of the 56th Annual Hawaii International Conference on System Sciences (HICSS)*. Bui, T. X. (red.). HICSS, s. 1176 (Proceedings of the Annual Hawaii International Conference on System Sciences, Bind 2023-January).

### **Towards Smart Maintenance and Integrated Production Planning**

Pahl, J., Rødseth, H. & Strandhagen, J. O., 2023, *Advances in Production Management Systems. Production Management Systems for Responsible Manufacturing, Service, and Logistics Futures - IFIP WG 5.7 International Conference, APMS 2023, Proceedings*. Alfnes, E., Romsdal, A., Strandhagen, J. O., von Cieminski, G. & Romero, D. (red.). Springer Science+Business Media, s. 765-778 (IFIP Advances in Information and Communication Technology, Bind 691 AICT).

### **Optimal dual cycling operations in roll-on roll-off terminals**

Jia, B., Tierney, K., Reinhardt, L. B. & Pahl, J., mar. 2022, I: *Transportation Research Part E: Logistics and Transportation Review*. 159, 15 s., 102646.

### **Evaluating Barriers and Drivers to Sustainable Food Supply Chains**

Mohseni, S., Baghizadeh, K. & Pahl, J., 22. feb. 2022, I: *Mathematical Problems in Engineering*. 2022, 24 s., 4486132.

### **Maritime Spare Parts Management: Current State-of-the-Art**

Pahl, J., 4. jan. 2022, *Proceedings of the 55th Annual Hawaii International Conference on System Sciences: HICSS 2022*. Bui, T. X. (red.). IEEE Computer Society Press, s. 1676-1685 10 s. (Proceedings of the Annual Hawaii International Conference on System Sciences, Bind 2022-January).

### **Framework for Sustainability Assessment of Maritime Terminals**

Zabala, A. B., Pahl, J. & Rytter, N., 2022. 24 s.

### **Introduction to the Minitrack "Intelligent Decision Support for Logistics and Supply Chain Management"**

Pahl, J. & Voss, S., 2022, *Proceedings of the 55th Annual Hawaii International Conference on System Sciences, HICSS 2022*. Bui, T. X. (red.). ScholarSpace, s. 1644-1645 (Proceedings of the Annual Hawaii International Conference on System Sciences, Bind 2022-January).

### **Closed-Loop Supply Chain Design with Sustainability Aspects and Network Resilience under Uncertainty: Modelling and Application**

Baghizadeh, K., Pahl, J. & Hu, G., 27. sep. 2021, I: *Mathematical Problems in Engineering*. 2021, 23 s., 9951220.

**Introduction to the Minitrack on "Intelligent Decision Support and Big Data for Logistics and Supply Chain Management"**  
Pahl, J. & Voss, S., 5. jan. 2021, *Proceedings of the 54th Annual Hawaii International Conference on System Sciences*. HICSS, s. 1404

**Introduction to the Minitrack on Intelligent Decision Support and Big Data for Logistics and Supply Chain Management**  
Pahl, J. & Voss, S., 7. jan. 2020, *Proceedings of the 53rd Annual Hawaii International Conference on System Sciences, HICSS 2020*. HICSS, s. 1276-1277

**A Secure Bet in the Maritime Supply Chain: Current Situation and Opportunities for Ports' Attractiveness**  
Pahl, J. & Cordova, M., 2020, *Handbook of Research on the Applications of International Transportation and Logistics for World Trade*. Ceyhun, G. Ç. (red.). IGI global, 24 s.

**Integrated production lot size and distribution planning with shared warehouses**  
Pahl, J., 2019, *Computational Logistics: 10th International Conference, ICCL 2019, Proceedings*. Paternina-Arboleda, C. & Voß, S. (red.). Springer, s. 332-349 (Lecture Notes in Computer Science, Bind 11756 LNCS).

**Intelligent decision support for logistics and supply chain management - Introductory remarks**  
Voß, S., Sebastian, H. J. & Pahl, J., 2019, *Proceedings of the 52nd Annual Hawaii International Conference on System Sciences, HICSS 2019*. Bui, T. X. (red.). IEEE Computer Society, s. 1516-1517 (Proceedings of the Annual Hawaii International Conference on System Sciences, Bind 2019-January).

**Arctic Port Development**  
Pahl, J. & Kaiser, B., 2018, *Arctic Marine Resource Governance and Development*. Vertergaard, N., Kaiser, B. A., Fernandez, L. & Nymand Larsen, J. (red.). Springer, s. 139-184 (Springer Polar Sciences).

**Arctic Ports: Local Community Development Issues**  
Kaiser, B. A., Pahl, J. & Horbel, C., 2018, *Arctic Marine Resource and Governance Development*. Vestergaard, N., Kaiser, B. A., Fernandez, L. & Nymand Larsen, J. (red.). Springer, s. 185-217 33 s. (Springer Polar Sciences).

**Introduction to the minitrack on Intelligent Decision Support for Logistics and Supply Chain Management: An Ongoing Story**  
Voss, S., Sebastian, H.-J. & Pahl, J., 2018, *Proceedings of the 51st Hawaii International Conference on System Sciences*. HICSS, s. 1247-1248

**NATOs Green Defence-strategi & Green Defense Technology**  
Goodsite, M. E., Gerstlberger, W., Atlason, R. S., Pahl, J., Ren, J. & Cassotta, S., 5. sep. 2017. 15 s.

**CFK-Strukturen in der automobilen Serienfertigung**  
Pahl, J. & Geiger, R., 22. aug. 2017, I: *Lightweightdesign*. 10, 4, s. 52-57

**Carbon composite manufacturing in automotive volume production**  
Geiger, R. & Pahl, J., 2017, I: *Lightweight Design worldwide*. 10, 4, s. 46-51

**Green Defense-strategy & Green Defense Technology**  
Goodsite, M. E., Gerstlberger, W., Atlason, R. S., Pahl, J., Ren, J. & Cassotta, S., 2017. 15 s.

**Intelligent Decision Support and Big Data for Logistics and Supply Chain Management: A Biased View**  
Voss, S., Sebastian, H.-J. & Pahl, J., 2017, *Proceedings of the 50th Hawaii International Conference on System Sciences*. s. 1338-1340

**Maritime Load Dependent Lead Times - An Analysis**  
Pahl, J. & Voss, S., 2017, *Computational Logistics: Proceedings of the 8th International Conference, ICCL 2017, Southampton, UK, October 18-20, 2017*. Bektas, T., Coniglio, S., Martinez-Sykora, A. & Voss, S. (red.). Springer, s. 300-306 6 s. (Lecture Notes in Computer Science, Bind 10572).

### **Tactical Production and Lot Size Planning with Lifetime Constraints: A Comparison of Model Formulations**

Raiconi, A., Pahl, J., Gentili, M., Voß, S. & Ceruli, R., 2017, I: *Asia-Pacific Journal of Operational Research*. 34, 5, 24 s., 1750019.

### **Load Dependent Lead Times and Sustainability**

Pahl, J. & Voss, S., 2016, *Proceedings of the 2016 IEEE Symposium Series on Computational Intelligence*. IEEE Press, 8 s.

### **Manufacturing and Logistics Information Systems**

Pahl, J., Wood, L. & Reiners, T., 2015, *Encyclopedia of Information Science*. Khosrow-Pour, M. (red.). 3 udg. Hershey, P.A., s. 1-10

Integrating deterioration and lifetime constraints in production and supply chain planning: A survey

Pahl, J. & Voß, S., 1. nov. 2014, I: *European Journal of Operational Research*. 238, 3, s. 654-674

Integrated Aircraft Scheduling Problem: An Auto-Adapting Algorithm to Find Robust Aircraft Assignments for Large Flight Plans

Reiners, T., Pahl, J., Maroszek, M. & Rettig, C., 2012, *45th Hawaii International Conference on System Sciences 2012*. IEEE Press, s. 1267-1276

### **Preface**

Pahl, J., Reiners, T. & Voß, S., 1. jan. 2011, I: *Lecture Notes in Computer Science*. 6701 LNCS

Discrete Lot-Sizing and Scheduling with Sequence-Dependent Setup Times and Costs including Deterioration and Perishability Constraints

Pahl, J., Voss, S. & Woodruff, D. L., 2011, *IEEE. HICSS-44*. 10 s.

### **Network Optimization - International Network Optimization Conference**

Pahl, J., Voss, S. & Reiners, T., 2011, (*Lecture Notes in Computer Science*).

Discrete Lot-Sizing and Scheduling Including Deterioration and Perishability Constraints

Pahl, J. & Voss, S., 2010, *Advanced Manufacturing and Sustainable Logistics, Proceedings of the 8th International Heinz Nixdorf Symposium*. Heidelberg: Springer, s. 345-357 (*Lecture Notes in Business Information Processing*).

### **Load-Dependent Lead Times with Depreciation Effects**

Pahl, J., 2009.

### **Logistik Management - Systeme, Methoden, Integration**

Pahl, J., Voss, S. & Schwarze, S., 2009, Heidelberg.

### **Production Planning and Deterioration Constraints: A Survey**

Pahl, J., Woodruff, D. L. & Voss, S., 2007, *The Development of Collaborative Production and Service Systems in Emergent Economies, Proceedings of the 19th International Conference on Production Research (IFPR)*. Valparaiso, Chile

Production Planning with Load Dependent Lead Times: An Update of Research

Pahl, J., Voß, S. & Woodruff, D. L., 2007, I: *Annals of Operations Research*. 153, 1, s. 297-345

### **Supply Chain Integration: Improvements of Global Lead Times with SCEM**

Pahl, J., Mies, A. & Voss, S., 10. nov. 2005, *Challenges for Industrial Production, Workshop of the PepOn Project: Integrated Process Design for Inter-Enterprise Plant Layout Planning of Dynamic Mass Flow Networks*. Karlsruhe, s. 79-89

### **Production Planning with Load Dependent Lead Times**

Pahl, J., 1. sep. 2005, I: 4OR. 3, 4, s. 257–302 46 s.

### **Load Dependent Lead Times – From Empirical Evidence to Mathematical Modeling**

Pahl, J. & Voss, S., 21. maj 2005, *Research Methodologies in Supply Chain Management*. 1 udg. Physica, s. 540-554 14 s.

### **Load dependent lead times-From empirical evidence to mathematical modeling**

Pahl, J., Voß, S. & Woodruff, D. L., 2005

## **Aktiviteter**

### **Optimised navigation and port calls to reduce emissions**

Kozin, I. (Foredragsholder) & Pahl, J. (Medforfatter)

23. mar. 2023

### **IAME 2022 Conference**

Pahl, J. (Deltager)

14. sep. 2022 → 16. sep. 2022

### **Public Transport - Operations and Planning (Tidsskrift)**

Pahl, J. (Peer reviewer)

20. jan. 2021

### **International Conference on Computational Logistics (Begivenhed)**

Pahl, J. (Medlem)

1. jan. 2021 → 20. sep. 2021

### **Congreso Panamericano de Transporte y Logística (Begivenhed)**

Pahl, J. (Medlem)

27. sep. 2020 → 30. sep. 2020

### **International Conference on Computational Logistics (Begivenhed)**

Pahl, J. (Medlem)

27. sep. 2020 → 30. sep. 2020

### **International Conference on Design, Automation, and Control**

Pahl, J. (Deltager)

6. jan. 2020

### **Applied Sciences (Tidsskrift)**

Pahl, J. (Peer reviewer)

1. jan. 2020 → 31. dec. 2020

### **Engineering Computations (Tidsskrift)**

Pahl, J. (Peer reviewer)

1. jan. 2020 → 31. dec. 2020

### **European Journal of Operational Research (Tidsskrift)**

Pahl, J. (Peer reviewer)

1. jan. 2020 → 31. dec. 2020

**International Conference on Computational Logistics**

Pahl, J. (Deltager)

1. jan. 2020 → 31. dec. 2020

**International Journal of Manufacturing Technology and Management (Tidsskrift)**

Pahl, J. (Peer reviewer)

1. jan. 2020 → 31. dec. 2020

**Journal of Management Information Systems (Tidsskrift)**

Pahl, J. (Peer reviewer)

1. jan. 2020 → 31. dec. 2020

**Journal of the Operational Research Society (Tidsskrift)**

Pahl, J. (Peer reviewer)

1. jan. 2020 → 31. dec. 2020

**Processes (Tidsskrift)**

Pahl, J. (Peer reviewer)

1. jan. 2020 → 31. dec. 2020

**Soft Computing (Tidsskrift)**

Pahl, J. (Peer reviewer)

1. jan. 2020 → 31. dec. 2020

**Sustainability (Tidsskrift)**

Pahl, J. (Peer reviewer)

1. jan. 2020 → 31. dec. 2020

**Transportation Research. Part A: Policy & Practice (Tidsskrift)**

Pahl, J. (Peer reviewer)

1. jan. 2020 → 31. dec. 2020

**Transportation research Part E (Tidsskrift)**

Pahl, J. (Peer reviewer)

1. jan. 2020 → 31. dec. 2020

**International Conference on Computational Logistics (Begivenhed)**

Pahl, J. (Medlem)

30. sep. 2019 → 2. okt. 2019

**15. Internationaler Wirtschaftsinformatik Kongress**

Pahl, J. (Deltager)

1. jul. 2019 → 9. mar. 2020

**Hawaiian International Conference on System Sciences**

Pahl, J. (Deltager) & Voss, S. (Deltager)

1. feb. 2019 → 11. jan. 2020

**Hawaiian International Conference on System Sciences**

Pahl, J. (Deltager)

1. jan. 2019 → 10. jan. 2020

**CLAIO 2018 (Begivenhed)**

Pahl, J. (Medlem)

24. sep. 2018 → 27. sep. 2018

**9th International Conference on Computational Logistics (Begivenhed)**

Pahl, J. (Medlem)

1. sep. 2018 → 3. sep. 2018

**Peruvian University of Applied Sciences**

Pahl, J. (Gæsteunderviser)

23. jul. 2018 → 27. jul. 2018

**Panel Member at the Event "Lean Manufacturing"**

Pahl, J. (Paneldeltager)

28. mar. 2018

**Peruvian University of Applied Sciences**

Pahl, J. (Gæsteforsker)

26. mar. 2018 → 29. mar. 2018

**PhD Defense (Begivenhed)**

Pahl, J. (Formand)

19. dec. 2017

**International Conference on Computational Logistics**

Pahl, J. (Deltager)

18. okt. 2017 → 20. okt. 2017

**International Conference on Computational Logistics (Begivenhed)**

Pahl, J. (Medlem)

18. okt. 2017 → 20. okt. 2017

**International Conference on Computational Logistics (ICCL) 2017**

Pahl, J. (Underviser)

18. okt. 2017 → 20. okt. 2017

**NATOs Green Defence-strategy & Green Defense Technology**

Goodsite, M. E. (Underviser), Gerstlberger, W. (Underviser), Pahl, J. (Underviser), Atlason, R. S. (Underviser), Cassotta, S. (Underviser) & Ren, J. (Underviser)

5. sep. 2017

**Symposium - International Forum for the new generation of young officers**

Pahl, J. (Arrangør)

21. aug. 2017

**Applications of Optimization - AOO 2017**

Pahl, J. (Arrangør) & Pacino, D. (Arrangør)

8. maj 2017

**HICSS**

Pahl, J. (Chairman)

4. jan. 2017

**St. John's University, New York, The Peter J. Tobin College of Business School of Risk Management**

Pahl, J. (Gæsteforsker)

27. dec. 2016 → 3. jan. 2017

**IEEE SSCI 2016**

Pahl, J. (Deltager)

6. dec. 2016 → 9. dec. 2016

**Maritime Logistics**

Pahl, J. (Foredragsholder)

6. maj 2016 → 8. maj 2016

**Maritime Load Dependent Lead Times**

Pahl, J. (Deltager)

1. jan. 2016 → 31. dec. 2018

**Ukendt (Ekstern organisation)**

Pahl, J. (Deltager)

29. dec. 2015 → ...

**Inform Annual Meeting**

Pahl, J. (Deltager)

1. nov. 2015 → 4. nov. 2015

**7th Annual Logistics and Transport Workshop**

Pahl, J. (Oplægsholder)

29. sep. 2015 → 2. okt. 2015

**Introduction to Information Systems**

Pahl, J. (Foredragsholder)

1. okt. 2011 → 28. feb. 2012

**International Network Optimization Conference 2011**

Pahl, J. (Deltager)

13. jun. 2011 → 16. jun. 2011

**Information Management**

Pahl, J. (Foredragsholder)

1. okt. 2010 → 27. feb. 2011

**Information Management**

Pahl, J. (Foredragsholder)

1. okt. 2009 → 27. feb. 2010

**Statistics**

Pahl, J. (Foredragsholder)

1. okt. 2009 → 28. feb. 2010

**Logistik Management 2009**

Pahl, J. (Deltager)

2. sep. 2009 → 4. sep. 2009

**Production and Supply Chain Management**

Pahl, J. (Foredragsholder)

1. apr. 2009 → 31. jul. 2009

### **Information Management**

Pahl, J. (Foredragsholder)  
1. okt. 2008 → 27. feb. 2009

### **Research Gate Profile**

Pahl, J. (Andet)  
1. jun. 2008 → ...

### **Production and Logistics**

Pahl, J. (Foredragsholder)  
1. apr. 2008 → 31. jul. 2008

## **Work Experience**

2015  
2014  
2013  
2012  
2011  
2010

## **Education and Formation(s)**

2012  
2007  
1997

## **Research Interests**

Production and Supply Chain Planning, (Load Dependent) Lead Time Management, Depreciation Issues, Green Logistics and Operations Management, (Green) Maritime Logistics, Airline Management

## **Research Projects**

2012            Two-Year's DAAD PPP Vigoni Grant 2012-13 "Sustainability and Green Supply Chain Planning - Network Flow Formulations and Solution Methods" in collaboration with the Università degli Studi di Salerno, Dipartimento di Informatica, Assistant Professor Monica Gentili, Fisciano/Italy