

CURRICULUM VITAE

Univ.-Prof. Dr. Christian Almeder

Chair for Supply Chain Management

CURRENT AFFILIATION

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PROFESSIONAL EXPERIENCE (EXTRACT)

- 04/2011 – now **Full Professor (W3) of Business Studies / Supply Chain Management**, European University Viadrina Frankfurt(Oder).
- 04/2014 – 09/2014 **Parental leave.**
- 05/2011 – 06/2011 **Guest Professor**, Vienna University of Economics and Business.
- 05/2010 – 03/2011 **Assistant Professor**, Institute for Production Management, Vienna University of Economics and Business.
- 10/2006 – 02/2011 **Lecturer**, University of Applied Sciences Technikum Wien.
- 04/2003 – 03/2010 **Assistant professor**, Department of Business Administration (Production and Logistics), University of Vienna.
- 10/2008 – 09/2009 **Visiting researcher**, University of Porto - Faculty of Engineering, Portugal.
- 05 – 07/2007 **Interim Head of the IT-Department**, Faculty for Economics and Business, University of Vienna
- 10/1996 – 06/2003 **Lecturer**, Vienna University of Technology.
- 03/2000 – 03/2003 **Research assistant**, Department of Operations Research and Systems Theory, Vienna University of Technology.
- 06/1997 – 12/1999 **Scholarship**, ARCSMED, Austrian Research Centers Seibersdorf.
- 08/1995 – 09/1995 **Internship**, *Software Engineer*, Siemens AG Austria, Vienna.
- 08/1994 – 12/1994 **Research fellowship**, Vienna University of Technology.

ACADEMIC EDUCATION

- 11/2009 **Habilitation**, *Habilitation in the area of business administration*, University of Vienna.
- 10/2000 **Promotion**, *Promotio sub auspiciis praesidentis rei publicae (summa cum laude)*, Vienna University of Technology.

10/1997 – 12/1999 **Doctoral Study**, *Doctoral study of science*, Vienna University of Technology (passed with distinction).

10/1992 – 10/1997 **Study**, *Technical Mathematics (Mathematical Computer Sciences)*, Vienna University of Technology (passed with distinction).

ACADEMIC SELF-GOVERNANCE

European University Viadrina Frankfurt(Oder)

- **Dean of the Faculty of Business Administration and Economics** (2017-2019)
- **Member of the Executive Committee (Präsidium)** (2017-2019)
- **Vice-dean for student affairs** (2016-2017)
- Member and vice-chairman of the Faculty Board (2014-2017, 2021-2023)
- Member of the Senate (2017-2019)
- Chairman of the Examination Board (2016-2017)
- Chairman of the Senate's Commission for Information and Communication Technology (2013-2017)
- Member and chairman of several appointment commissions, election commission, admission commission etc.

University of Vienna

- Member of the working group for the PhD-curriculum
- Member of several appointment commissions

Vienna University of Technology

- Representative of the doctoral students
- Member of the curriculum commission of the PhD program

AWARDS AND HONORS

11/2000 **Appraisal Award**, Federal Department for Education, Science and Culture (Bundesministerium für Bildung, Wissenschaft und Kunst).

10/2000 **Award *promotio sub auspiciis praesidentis rei publicae* presented by the president of the Republic of Austria** (Promotion zum Doktor der technischen Wissenschaften unter den Auspizien von Bundespräsident Dr. Thomas Klestil), Vienna University of Technology.

1994/95/96/97/98 **Special scholarship for excellent studies**, Vienna University of Technology.

RESEARCH PROJECTS

- **Computational Decision Science & Statistics in Finance and Operations Management CODES2(in)FORM** (2020-2023)
Funding institution: Ministerium für Wissenschaft, Forschung und Kultur des Landes Brandenburg
- **EURO Winter Institute on Lot-sizing** (2018)
Funding institution: EURO, German OR-Society, other Sponsors
- **Innovationsförderung im Rahmen von unterstützender Technik für laufende und geplante Projektvorhaben** (2012)

Funding institution: Ministerium für Wissenschaft, Forschung und Kultur des Landes Brandenburg

- **PDChain: Just-in-Time Production and Distribution of Per-ishable Goods in Supply Chains.** (2010-2012)

Funding institution: FCT, Portuguese Science Foundation, (Project: PTDC/EGE-GES/104443/2008)

- **Hybrid solution methods for operative production planning** (2008-2009)

Funding institution: FWF, Erwin-Schrödinger-Stipendium (project J2815)

THESES AND SMALL PROJECTS WITH COMPANIES

- Methods of personnel scheduling using the example of **Bäckerei Dreißig** (funded)
- Optimizing the material and information flow in the production process (**BOS Technology GmbH**) (funded)
- Optimizing the production process and developing a forecast tool for **Wirkaufens.de** (funded)
- Vendor Managed Inventory – An innovative way for efficient inventory management in the aircraft industry (**Airbus SE**) (funded)
- Routing for last mile delivery of advertising papers (**Märkische Medienhaus GmbH & Co KG**) (funded)
- Optimizing the storage strategies at **myToys**
- Optimization of outbound logistics of a hospital (**Charité CFM Facility Management GmbH**)
- Analysis and optimization of the replenishment process for the **MIYAWAKI GmbH** (funded)
- Development of a dynamic in-plant milk-run system for production supply in high-variant assembly lines (**Knorr-Bremse Systeme für Schienenfahrzeuge GmbH**)
- Optimization of a Returnable Packaging System in the Automotive Supply Chain (**WABCO Airbrake**)

REVIEWER / GUEST EDITOR

- 4OR
- Annals of Operations Research
- Central European Journal of Operations Research
- Computers & Industrial Engineering
- Computers & Operations Research
- European Journal of Operational Research
- IEEE Transactions on Automation Science and Engineering
- INFOR: Information Systems and Operational Research (Associate Editor)
- International Journal of Production Economics
- International Journal of Production Research
 - Guest editor for the special issue: "Lot sizing and scheduling: new models and solution approaches to address industrial extensions"
- International Journal of Systems Science

- Journal of Heuristics
- Journal of Scheduling
- Omega, The International Journal of Management Science
- OR Spectrum
- Swarm Intelligence

MEMBERSHIPS IN SCIENTIFIC COMMUNITIES

- Since 2022 **INFORMS** - Institute for Operations Research and the Management Sciences
- Since 2014 **EWG Lot** – EURO Working Group on Lot Sizing (2016-2022 coordinator of the working group)
- Since 2011 **VHB** – Verband der Hochschullehrer für Betriebswirtschaftslehre
- Since 2011 **ÖGOR** – Österreichische Gesellschaft für Operations Research
- Since 2003 **GOR** – Gesellschaft für Operations Research.
- Since 1997 **ASIM** – Arbeitsgemeinschaft Simulation.

SCIENTIFIC TALKS

- 2022 **Invited Presentation**, Accelerating Production Planning - Rapid Construction Heuristics for the Capacitated Lot Sizing Problems.
Vienna University of Economics and Business, Austria.
- 2017 **Key-Note Presentation**, Supply Chain Management im Kontext von Industrie 4.0.
3. Frankfurter Wirtschafts- und Wissenschaftstag, Frankfurt(Oder), Germany.
- 2014 **Invited Presentation**, Using simulation-based optimization in production planning.
GOR Arbeitsgemeinschaft SCM, Frankfurt/Main, Germany.
- 2012 **Invited Presentation**, Lot Sizing versus Batching in the Production and Distribution Planning of Perishable Goods.
University of Magdeburg, Germany.
- 2010 **Key-Note Presentation**, Simulation und Optimierung in der Produktionsplanung - Voraussetzungen für eine erfolgreiche Symbiose.
SimForum 2010, Linz, Austria
- 2010 **Invited Presentation**, Capacitated lot-sizing: Synchronization issues for multi-stage systems.
International Workshop on Lot-Sizing, Gardanne, France
- 2009 **Invited Presentation**, Simulation and optimization of supply chains: Alternative or complementary approaches?
University Hagen, Germany
- 2007 **Invited Presentation**, Combining ant colony optimization and exact methods for multi-level (capacitated) lot-sizing problems.
Rutgers Operations Research Center, Rutgers University, New Jersey, USA

ORGANIZATION OF CONFERENCES / SPECIAL SESSIONS

- 08/2019 **Steering committee**, *International Workshop on Lot-Sizing (IWLS)*, Paris, France.
- 08/2018 **Steering committee**, *International Workshop on Lot-Sizing (IWLS)*, Itamambuca, Brasil.
- 07/2018 **Stream organizer**, *Lot-sizing and Scheduling*, 29th European Conference on Operational Research, Valencia, Spain.
- 03/2018 **Organizer**, EURO Winter School on Lot Sizing, Frankfurt(Oder), Germany
- 08/2017 **Steering committee**, *International Workshop on Lot-Sizing (IWLS)*, Glasgow, UK.
- 07/2017 **Stream organizer**, *Lot-sizing and Scheduling*, XXI IFORS, Quebec, Canada.
- 04/2017 **Organizer**, 3. Frankfurter Wirtschafts- und Wissenschaftstag (3rd Frankfurter Economy and Research Day), Frankfurt(Oder), Germany.
- 08/2016 **Steering committee**, *International Workshop on Lot-Sizing (IWLS)*, Hannover, Germany.
- 07/2016 **Stream organizer**, *Lot-sizing and Scheduling*, XXVIII EURO Conference, Poznan, Poland.
- 04/2016 **Organizer**, 2. Frankfurter Wirtschafts- und Wissenschaftstag (2nd Frankfurter Economy and Research Day), Frankfurt(Oder), Germany.
- 08/2015 **Steering committee**, *International Workshop on Lot-Sizing (IWLS)*, Montreal, Canada.
- 07/2015 **Stream organizer**, *Lot-sizing and Scheduling*, XXVII EURO Conference, Glasgow, UK.
- 01/2015 **Organizer**, 1. Frankfurter Wirtschafts- und Wissenschaftstag (1st Frankfurter Economy and Research Day), Frankfurt(Oder), Germany.
- 08/2014 **Steering committee**, *International Workshop on Lot-Sizing (IWLS)*, Porto, Portugal.
- 07/2014 **Stream organizer**, *Lot-sizing and Scheduling*, XX IFORS Conference, Barcelona, Spain.
- 07/2013 **Stream organizer**, *Lot-sizing and Scheduling*, XXVI EURO/INFORMS Conference, Rome, Italy.
- 07/2012 **Stream organizer**, *Lot-sizing and Scheduling*, XXV EURO Conference, Vilnius, Lithuania.
- 07/2010 **Stream organizer**, *Lot-sizing and Scheduling, Economic Order Quantity*, XXIV EURO Conference, Lisbon, Portugal.
- 07/2009 **Special session organizer**, *Metaheuristic and Hybrid Solution Methods for Lot Sizing and Scheduling Problems*, VIII Metaheuristic International Conference (MIC 2009), Hamburg, Germany.
- 09/2007 **Special session organizer**: *Agent-based and Dynamic Approaches to Modelling in Economics*, 6th European EUROSIM Congress on Modelling and Simulation (EUROSIM 2007), Ljubljana, Slovenia.

- 08/2005 **Organizing committee**, *6th Metaheuristic International Conference*, Vienna, Austria.
- 05/2003 **Organizing committee**, *Eighth Viennese Workshop on Optimal Control, Dynamic Games and Nonlinear Dynamics*, Vienna, Austria.
- 02/2000 **Organizing committee**, *3rd MATHMOD, IMACS Symposium on Mathematical Modelling*, Vienna, Austria.
- 02/1997 **Organizing committee**, *2nd MATHMOD, IMACS Symposium on Mathematical Modelling*, Vienna, Austria.

TEACHING (EXTRACT)

- 2011 – now **European University Viadrina Frankfurt(Oder)**
 - Master & PhD courses:**
 - *Introduction to Operations Research*
 - *Introduction to Supply Chain and Operations Management*
 - *Advanced Operations Management*
 - *Supply Chain Management & Logistics*
 - *Production and Operations Management*
 - *Optimization with Metaheuristics* (Master and PhD)
 - *Simulation as Decision Support*
 - *Management Science* (Master and PhD)
 - *C++ in Operations Management*
 - *Seminar Industry 4.0*
 - *Inventory Management*
 - **Bachelor courses:**
 - *Production and Logistics*
 - *Konzepte des Supply Chain Management*
 - *Seminar aus Supply Chain Management*
- 2010 – 2011 **Vienna University of Economics and Business**
 - *Advanced Operations Research*, Master.
 - *Beschaffung, Produktion, Logistik*, Bachelor.
 - *Vertiefung in Operations Management*, Bachelor.
- 2003 – 2010 **University of Vienna**
 - *Production Management*, Master.
 - *Operations Management*, Master.
 - *Logistical Management*, Master.
 - *Simulation in Production and Logistics Mgmt.*, Master.
 - *Produktion und Logistik*, Bachelor.
- 2006 – 2009 **University of Applied Sciences Technikum Wien**
 - *Applied Mathematics and Modelling*, Master (FH).
- 2002 **Vienna University of Technology**
 - *Operations Research 1*, Diplom.

SUPERVISION OF MASTER AND DOCTORAL THESES

Doctoral thesis

- Hein, F. , Solving (integrated) lot sizing problems with genetic programming, 2019.
- Vogel, T., Vertical and horizontal integration in mid and short-term production planning, 2018.

Co-supervised doctoral thesis

- Figueira, G., Operational Production Planning and Scheduling in the Pulp and Paper Industry, 2014
- Preusser, M., A combined approach of simulation and optimization in supply chain management, 2008.
- Pitakasi, R., Hybridization of exact methods and MAX-MIN ant system for multi-level lot sizing problems, 2005

PUBLICATIONS

UNIV.-PROF. DR. CHRISTIAN ALMEDER

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Google Scholar: <https://scholar.google.at/citations?user=mvoxybUAAAAJ>

ResearchGate: <https://www.researchgate.net/profile/Christian-Almeder>

JOURNALS

- [1] D. Dziuba, C. Almeder.
[New construction heuristic for capacitated lot sizing problems.](#) *European Journal of Operational Research* 311, 906-920, 2023.
DOI: 10.1016/j.ejor.2023.06.002
- [2] F. Hein, C. Almeder, G. Figuera, B. Almada-Lobo.
[Designing new heuristics for the capacitated lot sizing problem by genetic programming.](#) *Computers & Operations Research* 96, 1-14, 2018.
DOI: 10.1016/j.cor.2018.03.006
- [3] T. Vogel, B. Almada-Lobo, C. Almeder.
[Integrated versus hierarchical approach to aggregate production planning and master production scheduling.](#) *OR Spectrum*, 39, 193-229, 2017.
DOI: 10.1007/s00291-016-0450-2
- [4] F. Hein, C. Almeder.
[Quantitative insights into the integrated supply vehicle routing and production planning problem.](#) *International Journal of Production Economics* 177, 66–76, 2016.
DOI: 10.1016/j.ijpe.2016.04.014
- [5] C. Almeder, B. Almada-Lobo, D. Klabjan, R. Traxler.
[Lead Time Considerations for the Multi-Level Capacitated Lot-sizing Problem.](#) *European Journal of Operational Research*, 241, 727-738, 2015.
DOI: 10.1016/j.ejor.2014.09.030
- [6] A. Bilyk, L. Mönch, C. Almeder.
[Scheduling jobs with ready times and precedence constraints on parallel batch machines using metaheuristics.](#) *Computers & Industrial Engineering* 78, 175-185, 2014.
DOI: 10.1016/j.cie.2014.10.008
- [7] M. Gansterer, C. Almeder, R.F. Hartl.
[Simulation-based optimization methods for setting production planning parameters.](#) *International Journal of Production Economics*, 151, 206–213, 2014.
DOI: 10.1016/j.ijpe.2013.10.016
- [8] P. Amorim, M. Belo-Filho, F. Toledo, C. Almeder, B. Almada-Lobo.
[Lot sizing versus batching in the production and distribution planning of perishable goods.](#) *International Journal of Production Economics*, 146, 208-218, 2013.
DOI: 10.1016/j.ijpe.2013.07.001

- [9] C. Almeder, R. Hartl.
[A metaheuristic optimization approach for a real-world stochastic flexible flow shop problem with limited buffer.](#) *International Journal of Production Economics*, 145(1), 88-95, 2013.
DOI: 10.1016/j.ijpe.2012.09.014
- [10] P. Amorim, H. Meyr, C. Almeder, B. Almada-Lobo.
[Managing perishability in production-distribution planning: a discussion and review.](#) *Flexible Service and Manufacturing Journal*, 25(3), 389-413, 2013.
DOI: 10.1007/s10696-011-9122-3
- [11] C. Almeder, B. Almada-Lobo.
[Synchronization of scarce resources for a parallel machine lotsizing problem.](#) *International Journal of Production Research*, 49, 7315-7335, 2011.
DOI: 10.1080/00207543.2010.535570
- [12] C. Almeder, L. Mönch.
[Metaheuristics for scheduling jobs with incompatible families on parallel batching machines.](#) *Journal of the Operational Research Society*, 62, 2083-2096, 2011.
DOI: 10.1057/jors.2010.186
- [13] A. Clark, B. Almada-Lobo, C. Almeder.
[Lot sizing and scheduling: Industrial extensions and research opportunities.](#) *International Journal of Production Research*, 49, 2457-2461, 2011.
DOI: 10.1080/00207543.2010.532908
- [14] C. Almeder.
[A hybrid optimization approach for multi-level capacitated lot-sizing problems.](#) *European Journal of Operational Research*, 200, 599-606, 2010.
DOI: 10.1016/j.ejor.2009.01.019
- [15] C. Almeder, M. Preusser, R.F. Hartl.
[Simulation and optimization of supply chains: Alternative or complementary approaches?](#) *OR Spectrum*, 31:95–119, 2009.
DOI: 10.1007/s00291-007-0118-z
- [16] R. Pitakaso, C. Almeder, K.F. Doerner, R.F. Hartl.
[A MAX-MIN ant system for unconstrained multi-level lot sizing problems.](#) *Computers & Operations Research* 34, 2533-2552, 2007.
DOI: 10.1016/j.cor.2005.09.022
- [17] C. Almeder, G. Feichtinger, W.C. Sanderson, V.M. Veliov.
[Prevention and medication of HIV/AIDS: The case of Botswana.](#) *Central European Journal of Operations Research*, 15, 47–62, 2007.
DOI: 10.1007/s10100-006-0018-3
- [18] R. Pitakaso, C. Almeder, K.F. Doerner, R.F. Hartl.
[Combining population-based and exact methods for the multi-level capacitated lot sizing problem.](#) *International Journal on Production Research* 44, 4755-4771, 2006.
DOI: 10.1080/00207540600620963

- [19] C. Almeder, J.P. Caulkins, G. Feichtinger, G. Tragler. [An age-structured single-state drug initiation model - cycles of drug epidemics and optimal prevention programs.](#) *Socio-Economic Planning Sciences*, 38, 91–109, 2004. DOI: 10.1016/S0038-0121(03)00030-2
- [20] C. Almeder, J.P. Caulkins, G. Feichtinger, G. Tragler. [Age-specific multi-stage drug initiation models: Insights from considering heterogeneity.](#) *Bulletin on Narcotics*, LIII,105–118, 2001.

BOOKS AND BOOK CHAPTERS

- [21] C. Almeder. [Comparing Modeling Approaches for the Multi-Level Capacitated Lot-Sizing and Scheduling Problem.](#) In H. Dawid, K.F. Doerner, G. Feichtinger, P.M. Kort, A. Seidl (Eds.), *Dynamic Perspectives on Managerial Decision Making, Dynamic Modeling and Econometrics in Economics and Finance*. Springer, 333-348, 2016. (DOI: 10.1007/978-3-319-39120-5_19)
- [22] C. Almeder, M. Gansterer. [Robuste operative Planung.](#) In T. Claus, F. Herrmann, M. Manitz (Eds.), *Produktionsplanung und –steuerung – Forschungsansätze, Methoden und deren Anwendungen*, Springer, 47-60, 2015. (DOI: 10.1007/978-3-662-43542-7_4)
- [23] C. Almeder, R. Traxler. [Das mehrstufige kapazitierte Losgrößenproblem.](#) In T. Claus, F. Herrmann, M. Manitz (Eds.), *Produktionsplanung und –steuerung – Forschungsansätze, Methoden und deren Anwendungen*, Springer, 89-107, 2015. (DOI: 10.1007/978-3-662-43542-7_6)
- [24] C. Almeder, P. Nolz, R.F. Hartl. Fallbeispiel einer Optimierung des Produktionsprozesses einer Wochenzeitung. In G. Reiner, J. Fichtinger, M. Poiger, R. Schodl (Eds.), *Trendberichte im Operations Management – Eine Festschrift für Werner Jammernegg*, Peter Lang, 103-117, 2013.
- [25] M. Gruber, M. Rinner, T. Löscher, C. Almeder, S. Katzensteiner, R.F. Hartl. [Vorausschauende Produktionsregelung: Simulationsbasierte heuristische Optimierung.](#) In L. März, W. Krug, O. Rose, G. Weigert (Eds.), *Simulation und Optimierung in Produktion und Logistik*, Springer Berlin Heidelberg, 2011, 65-77. (DOI: 10.1007/978-3-642-14536-0_7)
- [26] C. Almeder, M. Preusser, R.F. Hartl. [Simulation and optimization of supply chains: Alternative or complementary approaches?](#) In H.O. Günther and H. Meyr, editors, *Supply Chain Planning – Quantitative Decision Support and Advanced Planning Solutions*, pages 29–53. Springer, 2009. (DOI: 10.1007/978-3-540-93775-3_2)
- [27] M. Preusser, C. Almeder, R.F. Hartl, M. Klug. [LP modelling and simulation of supply chain networks.](#) In H.O. Günther, D.C. Mattfeld, and L. Suhl, editors, *Supply Chain Management und Logistik - Optimierung, Simulation, Decision Support*, pages 95–113. Physica-Verlag, Heidelberg, 2005. (DOI: 10.1007/3-7908-1625-6_4)
- [28] C. Almeder. [Solution methods for age-structured optimal control models with feedback.](#) In I. Lirkov, S. Margenov, J. Wasniewski, and P. Yalamov, editors, *Large-Scale Scientific Computing – 4th International Conference, LSSC 2003*, volume 2907 of *Lecture Notes in Computer Science*, pages 197–2003. Springer, 2004. (DOI: 10.1007/978-3-540-24588-9_21)

- [29] C. Almeder. Fortschrittsberichte Simulation, Band 8: [*Hydrodynamic Modelling and Simulation of the Human Arterial Blood Flow*](#). ARGESIM/ASIM-Verlag, Vienna, Austria, Sep. 2000.

PEER REVIEWED CONFERENCE PROCEEDINGS AND PREPRINTS

- [30] A. Klemmt, G. Weigert, C. Almeder, L. Mönch. [A comparison of MIP-based decomposition techniques and VNS approaches for batch scheduling problems](#). In M. D. Rossetti, R. R. Hill, B. Johansson, A. Dunkin and R. G. Ingalls, editors, *Proceedings of the 2009 Winter Simulation Conference*, 2009. (DOI: 10.1109/wsc.2009.5429173)
- [31] L. Mönch, C. Almeder. [Ant colony optimization approaches for scheduling jobs with incompatible families on parallel batch machines](#). In *Proceedings of the MISTA 2009 conference*, 2009.
- [32] C. Almeder, W. Summerauer, R.F. Hartl. MIP-based ant colony optimization for multi-level lotsizing. In *Preprints of the VIII Metaheuristic International Conference 2009*, 2009.
- [33] C. Almeder, L. Mönch. Variable neighborhood search for parallel batch machine scheduling. In *Preprints of the VIII Metaheuristic International Conference 2009*, 2009.
- [34] M. Romauch, W. Laure, G. Seidel, C. Almeder. [Decision making and forecasting with respect to risk: A simulation study for a setup problem](#). In S.J. Mason, R.R. Hill, L. Mönch, O. Rose, T. Jefferson, and J.W. Fowler, editors, *Proceedings of the 2008 Winter Simulation Conference*, 2171–2175, 2008. (DOI: 10.1109/WSC.2008.4736316)
- [35] C. Almeder, M. Preusser. [A toolbox for simulation-based optimization of supply chains](#). In S.G. Henderson, B. Biller, M.-H. Hsieh, J. Shortle, J. D. Tew, and R.R. Barton, editors, *Proceedings of the 2007 Winter Simulation Conference*, 1932–1939, 2007.
- [36] C. Almeder, M. Preusser. A hybrid simulation optimization approach for supply chains. In B. Zupancic, R. Karba, and S. Blazic, editors, *Proceedings of the 6th EUROSIM Congress on Modelling and Simulation*. ARGESIM/ASIM-Verlag, 2007.
- [37] M. Preusser, C. Almeder, R.F. Hartl, M. Klug. Hybrid supply chain modelling - combining LP-models and discrete-event simulation. In M.C. Maroto Alvarez, J. Alcaraz Soria, G.R. Ruiz, F. Crespo Abril, and Vallada R., editors, *ORP3 — Operational Research Peripatetic Postgraduate Programme proceedings*, 163–170. ESMAP, S.L. Universidad Politecnica de Valencia, 2005.
- [38] C. Almeder. Simulation and optimization of age-structured models. In Y. Hamam and G. Attiya, editors, *Proceedings of the 5th EUROSIM Congress on Modeling and Simulation*. ARGESIM/ASIM-Verlag, 2004.
- [39] C. Almeder. Zustandsmodelle mit kontinuierlicher Altersstruktur. In K. Panreck and F. Dörrscheidt, editors, *Frontiers in Simulation: Simulationstechnik, 15. Symposium in Paderborn*, pages 427–430, Ghent, Belgium, 2001. SCS-Europe BVBA.
- [40] C. Almeder, F. Breitenecker. Blutflußmodell – Fluß und Druckdynamik im elastischen Rohrnetzwerk. In K. Panreck and F. Dörrscheidt, editors, *Frontiers in Simulation: Simulationstechnik, 15. Symposium in Paderborn*, 443–446, Ghent, Belgium, 2004. SCS-Europe BVBA.

- [41] C. Almeder, F. Breitenecker, J. Krocza, M. Suda. A blood flow model based on physical concepts. In I. Troch and F. Breitenecker, editors, *3rd MathMod Proceedings of the IMACS Symposium on Mathematical Modelling*, 599–602. ARGESIM/ASIM-Verlag, 2000.
- [42] S. Wassertheurer, C. Almeder, F. Breitenecker, J. Krocza, Suda M. Expert system for vascular surgery based on a stationary blood flow model. In I. Troch and F. Breitenecker, editors, *3rd MathMod Proceedings of the IMACS Symposium on Mathematical Modelling*, 37, 2000.
- [43] C. Almeder, F. Breitenecker, J. Krocza, N. Popper, M. Suda. Simulation of the transient flow of blood through the human arterial system. In P. Rehak and H. Hutten, editors, *Proceeding of the European Medical and Biological Engineering Conference EMBEC'99*, 1152–1153, Vienna, Austria, 1999.
- [44] C. Almeder, F. Breitenecker, J. Krocza, M. Suda. Simulation of the human arterial system - static and dynamic. In *Proceedings of the First Joint BMES/EMBS Conference*, Atlanta, USA, 1999. IEEE.
- [45] C. Almeder, F. Breitenecker, W. Wassertheurer, K. Kaser, J. Krocza, M. Suda. Interaktive Beratungssoftware für Gefäßoperationen. In P. Lorenz and B. Preim, editors, *Simulation und Visualisierung '98*, Otto-von-Guericke Universität Magdeburg, 287–300. SCS-International, 1998.
- [46] C. Almeder, F. Breitenecker, W. Wassertheurer, K. Kaser, J. Krocza, M. Suda. Modelling of the human arterial network for preoperative predictions. In R. Zobel and D. Moeller, editors, *Simulation — Past, Present, Future, 12th European Simulation Multiconference*, 313–315, UK, 1998. Simulation Councils, Inc.
- [47] W. Bornatowicz, K. Kaser, K. Krocza, J. Suda, C. Almeder, F. Breitenecker, S. Wassertheurer. Modelling of the human arterial network for an expert system for preoperative predictions. In I. Troch and F. Breitenecker, editors, *2nd MathMod Proceedings of the IMACS Symposium on Mathematical Modelling*, 1110. ARGESIM/ASIM-Verlag, 1997.

OTHER PUBLICATIONS

-
- [48] C. Almeder, M. Preusser. Mixed analytical/DEVS approach to ARGESIM comparison C14 "Supply Chain Management using Xpress-MP and AnyLogic. *SNE Simulation News Europe*, 41/42:50, 2004.
 - [49] C. Almeder. ADCMOPT - Optimal control of age/duration specific compartment models. *Research Report 265, Department of Operations Research and Systems Theory, Vienna University of Technology, Austria*, Jan. 2002.
 - [50] C. Almeder, N. Popper. MEDISIM — Vienna, The Austrian Research Centre Seibersdorf and SIMTECH/ARGESIM. *SNE Simulation News Europe*, 31:23–24, 2001.
 - [51] C. Almeder. Comparison 12 — Maple (analytical simulation / time-oriented model). *SNE Simulation News Europe*, 28:36, 2000.
 - [52] C. Almeder, F. Breitenecker. Comparison 7 - MAPLE V R5 (implicitly segmented modelling approach). *SNE Simulation News Europe*, 25:45, 1999.

- [53]** C. Almeder, F. Breiteneker. Comparison 1 - MAPLE (numerical-symbolic approach - iterative symbolic method). *SNE Simulation News Europe*, 24:38, 1998.
- [54]** C. Almeder, K. Kaser, S. Wassertheurer. Comparison 4 - SIMUL8 (simulation approach). *SNE Simulation News Europe*, 24:39, 1998.