

Publication Record

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Publications

Felberbauer, T., K. Altendorfer, and H. Jodlbauer, 2016a: Effects of forecast errors on optimal utilization in aggregate production planning with stochastic customer demand. *International Journal of Production Research (accepted subject to minor revision) VHB Rating B*

Felberbauer, T., K. Altendorfer, and S. Minner, 2016b: A non-linear data driven (s,q) inventory policy (working paper)

Felberbauer, T., 2015: Solution approaches for the deterministic and the stochastic management of multiple projects assigning human resources with heterogeneous skill efficiencies. *Dissertation-Project*

Felberbauer, T., K. F. Dörner, and W. J. Gutjahr, 2016c: *Hybrid metaheuristics for project scheduling and staffing, considering project interruptions and labor contracts (accepted)*. Springer

Felberbauer, T., W. J. Gutjahr, and K. F. Dörner, 2015a: Stochastic project management: Multiple projects processed by multi-skilled human resources (working paper)

Felberbauer, T., A. Peirleitner, and K. Altendorfer, 2015b: Influence of customer information uncertainties on production order variance for two different kinds of customer order behaviours. *ASIM Proceedings*

Felberbauer, T., R. Schnirzer, and K. Altendorfer, 2015c: Comparing different simulation-based optimization approaches for simultaneous optimisation of production planning parameters. *ASIM Proceedings*

Felberbauer, T. and K. Dörner, 2015: Quantitative solution methods to the management of human resources in a multi-project environment. *Tagungsband des 9. Forschungsforums der österreichischen Fachhochschulen*

Felberbauer, T., K. Altendorfer, and H. Jodlbauer, 2014: Integrating the stochastic of forecast errors and demand fluctuation into the hierarchical production planning using a planned utilization factor. *18th International Working Seminar on Production Economics*

Felberbauer, T. and K. Altendorfer, 2014: Comparing the performance of two different customer order behaviors within the hierarchical production planning. *Proceedings of the 2014 Winter Simulation Conference*, 2227–2238

Altendorfer, K., T. Felberbauer, D. Gruber, and A. Hübl, 2013: Application of a generic simulation model to optimize production and workforce planning at an automotive supplier. *Proceedings of the 2013 Winter Simulation Conference*, 2689–2697

Felberbauer, T., K. Altendorfer, and H. Jodlbauer, 2013: Linking deterministic aggregate production planning with a stochastic simulation model using a planned utilisation factor. *W. Dangelmaier, C. Laroque, & K. Alexander, ASIM Proceedings*, 621–630

Felberbauer, T., A. Hübl, K. Altendorfer, and H. Jodlbauer, 2012b: Simulationsgenerator als Entscheidungshilfe für produzierende Unternehmen. *Ta-gungsband des 6. Forschungsforums der österreichischen Fachhochschulen*

Felberbauer, T., K. Altendorfer, and A. Hübl, 2012a: Using a scalable simulation model to evaluate the performance of production system segmentation in a combined MRP and kanban system. *Proceedings of the 2012 Winter Simulation Conference*, 1–12

Beham, A., E. Pitzer, S. Wagner, M. Affenzeller, K. Altendorfer, T. Felberbauer, and M. Bäck, 2012: Integration of flexible interfaces in optimization software frameworks for simulation-based optimization. *Companion Publication of the 2012 Genetic and Evolutionary Computation Conference, GECCO'12 Companion*, 125–132

Felberbauer, T., 2011: PPS-Simulation aus ERP-daten. *AC-Quarterly*

Scientific Presentations

Stochastic project scheduling and personnel planning of multiple projects with multiskilled human resources, OR Conference, **Vienna**, 2015

Comparing different simulation-based optimization approaches for simultaneous optimisation of production planning parameters, ASIM Conference, **Dortmund**, 2015

Quantitative solution methods to the management of human resources in a multi-project environment, 9. Forschungsforum der österreichischen Fachhochschulen, **Hagenberg**, 2015

Solution methods for model extensions of the Multi-Mode-Resource-Constrained-Project-Scheduling-Problem, Doctorate Workshop European Logistics Association, **Hamburg**, 2014

Comparing the performance of two different customer order behaviors within the hierarchical production planning, Winter Simulation Conference, **Savannah**, 2014

Integrating the stochastic of forecast errors and demand fluctuation into the hierarchical production planning using a planned utilization factor, 18th International working seminar on Production Economics, **Innsbruck**, 2014

Application of a generic simulation model to optimize production and workforce planning at an automotive supplier, Winter Simulation Conference, **Washington**, 2013

Using a scalable simulation model to evaluate the performance of production system segmentation in a combined MRP and Kanban system, Winter Simulation Conference, **Berlin**, 2012