UNIVERSITY OF APPLIED SCIENCES UPPER AUSTRIA

RESEARCH ASSOCIATE (PHD POSITION)

PRODUCTION PLANNING

FH OÖ RESEARCH & DEVELOPMENT GmbH | School of Business & Management | Steyr

DUTIES AND RESPONSIBILITIES

- Development of algorithmic extensions of MRP (mainly based on the MCRP concept; project description will be sent on request) within the FWF (Austrian Science Fund) funded research project "Hybrid Algorithms for Redesigning MRP" conducted by Prof. Altendorfer (University of Applied Sciences Upper Austria) and Prof. Parragh (Johannes Kepler University Linz)
- Integration of these extensions in an existing simulation framework (AnyLogic based)
- Contribution to the development of mathematical models (mixed integer programs) and optimization algorithms (mainly conducted at University Linz)
- Integration of optimization algorithms into the simulation framework
- Evaluation of the performance of the optimization algorithms by simulation
- Conduct PhD studies and write PhD thesis
- Dissemination of results (conference and journal papers)

PROFILE

- Degree in management, business administration, business informatics, mathematics, (ideally with a specialization in Operations or Logistics Management)
- Experience with discrete event simulation and ideally basic knowledge of object-oriented programming
- Knowledge of production planning and operations management
- Interest in mathematical modelling
- Pro-active person able to work independently
- You are willing to conduct high quality research and publish in highly ranked international journals

ABOUT US

The University of Applied Sciences stands for excellent teaching and results-driven research and receives regular awards for this. You will find an exciting and highly responsible position in a creative, loyal and team-oriented environment. – And not to forget: There is all the necessary freedom of design to develop your own ideas!

flexible working time | extensive training opportunities | awesome colleagues | attractive social benefits | creativity and freedom of design | sports activities

WE ARE LOOKING FORWARD TO YOUR APPLICATION TO:

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FH OÖ RESEARCH & DEVELOPMENT GmbH | Wehrgrabengasse 1-3, 4400 Steyr | www.fh-ooe.at

Salary from 2.170€ gross for 30 hours a week per month / depending on qualification (PhD positions are at the Austrian Science Fund usually announced for 30 hours a week). Due to labour law we need to emphasize that we cannot refund any incurred costs which have arisen in the course of the interview. Your workplace is at the University of Applied Sciences Upper Austria in Steyr and the PhD-studies should be conducted at the University of Linz. This position is limited to the project duration until 09/2023. Application period until 15.08.2020.

hochschuleundfamilie