

Cognify your Products and Production Systems with Pro²Future



Pro²Future - Products and Production Systems of the Future - is an industry-related and independent research centre in the field of artificial intelligence (AI) and cognitive / industrial ICT with a focus on cognitive products and production systems. These are supported by the areas of Perception and Aware Systems, Cognitive Robotics and Shop Floors, and Cognitive Decision Making. Further fields of activity of the centre cover mechatronic systems, embedded systems, pervasive computing systems and big data analytics. We are currently offering the position of a

Technical Project Expert within the Area "Cognitive Decision Making" Full-time (38,5hours/week)

at Pro²Future GmbH in Graz (Campus Inffeldgasse of Graz University of Technology)

Area context

In the research area "Cognitive Decision Making", we explore the aspect of computational decision making, starting with the creation of novel analysis techniques for big data, through the development of classification systems for industry, to the development of industrial systems that autonomously predict undesired system states and take preventive corrective action in an unobtrusive manner, at all granular system levels from individual production actuators to ensembles or even the control of complete store floor units. Targeted research addresses: (i) Data Analytics Method Bases -general cognitive functions for base- and reality-mining, scientific, semantic visualization of data; (ii) Computational Data Analytics - providing cognition-based functions for the handling of data under uncertainty (learning); (iii) Decision Making Method Bases - models of cognitive functions for decision making including goal and plan representation, resource allocation and optimization of processes; (iv) Computational Decision Making – transparent automatic multi-criteria, multi-resource decision making, choice modelling and heuristics.

Job profile

Under the guidance of the Area Manager, the candidate will be engaged as a Technical Expert throughout the complete portfolio of the application-oriented research projects of the research area. Given the candidate's in-depth knowledge and understanding of data analysis, machine learning algorithms, time series analysis as well as programming languages he or she will successfully support the researchers in all technical matters to realise the objectives of the projects. Furthermore, previous experience in industry or industry related projects allows the appropriate candidate to fully understand, communicate and address the industry driven requirements in the research projects.

Your qualifications

- Master's degree – completed or in final stage - in Computer Science, Electrical Engineering, Telematics, or similar
- Experience in industry or industrial context
- Experience and practical proficiency with programming languages and tools (e.g., Python, Java, R, TensorFlow, Git, etc.)
- Excellent communication skills
- High interest in research and technology
- High motivation, self-initiative, and sense of responsibility, being a team player
- Fluent in English and/or German
- Flexibility, willingness to learn, openness and commitment



Our offer

- The opportunity to work in a highly qualified, international, young, and dynamic research team
- Collaboration in innovative, beyond-state-of-the-art research projects
- Opportunity for doctoral studies and completion of a PhD
- Opportunity for personnel development in a learning and respectful environment
- Great emphasis on gender, diversity, and equal opportunities
- Flexible working hours, flat organizational structures, fun at work
- Full-time gross salary per month EUR 3,100.00 EUR



Pro²Future GmbH aims to increase the proportion of women in the research area - we are therefore particularly looking forward to applications from qualified women!

Katarina Milenkovic, MSc



I work in the comprehensive optimization, where we research novel approaches to extract knowledge over the product lifecycle.

Matej Vukovic, M.Inf.



Our results give an insight into the Key Influencing Parameters for Blast Furnace and Electric Arc Furnace Operations in the Metal Industry.

DI Oujidane Guiza



I work on privacy respect and monitoring of human intensive assembly processes and cognitive line balancing support.



Flexi-Worktime



Free Coffee!



High-end Equipment



Home-Office



Internal Trainings & Study Opportunities



Structured Onboarding



Fresh Fruits



Restaurants & Mensa



Brand New Offices



Employee Events



Public Transport



Central Location



Food Allowance

To apply for this position, please send your application (including CV, supporting documents, letter of motivation), via e-mail to: jobs@pro2future.at
Pro²Future GmbH, z.H. Mag. (FH) Sandra Neuhold-Pauer, Altenberger Straße 69, 4040 Linz, Standort Graz: Inffeldgasse 25F, 8010 Graz, Tel.: +43 664 / 8889 2189.

