



Cognitive and Sustainable Products and Production Systems of the Future

Pro²Future – Cognitive and Sustainable Products and Production Systems of the Future - is an industry-related COMET K1 research Centre in the field of artificial intelligence (AI) and cognitive / industrial ICT, human-machine-interaction (HMI) and data-driven process optimization with a focus on cognitive and sustainable products and production systems. These are supported by the areas of Perception, Orchestration and Analytics. Further fields of activity of the Centre cover mechatronic systems, embedded systems, pervasive computing systems and big data analytics.

For strengthening our team, we are currently offering the position of a

Senior Researcher (m/w/d) within the Area Cognitive Production Systems

Full-time (38,5 hours/week), at Pro²Future GmbH in Graz (Campus of TU Graz)

Project context

Cognitive Production Systems and Cognitive Products represent those research areas of Pro²Future in which application-driven integration takes place. In these two areas, the research results of Areas Prediction, Orchestration and Analytics are consolidated and transferred to industry and business in the form of integrated solutions. The Area Cognitive Production Systems focuses on both continuous production processes in plastics processing (at the Linz site) and batch production for manufacturing and assembly processes (at the Graz site). A central element in Pro²Future's understanding of Cognitive Production Systems are their contributions to sustainability, resource efficiency, and human centeredness.

Job profile

Under the guidance of the Area Management, the candidate will be deployed in the entire portfolio of application-oriented research projects in the research area. Based on his or her in-depth knowledge and **expertise in production (e.g. manufacturing, assembly, 3D printing) with interests in digitalization, sustainability and human centeredness**, he or she will successfully support the researchers in realizing the project objectives. Previous experience in industry or industry-related projects enables the candidate to fully understand, communicate and manage the requirements set by industry in the research projects.

Your qualifications

- PhD degree in Computer Science, Artificial Intelligence, Data Science or similar
- Deep knowledge of Artificial Intelligence principles and advanced machine learning algorithms
- Proven expertise in Neural Networks (e.g., CNNs, RNNs, Transformers) and modern deep learning frameworks (e.g., TensorFlow, PyTorch)
- Strong programming skills, particularly in Python and relevant AI/data science libraries (e.g., Pandas, Scikit-learn, NumPy)
- High affinity for applied research, interest in shaping future technologies
- Proven track record in funding acquisition, including the identification of research opportunities and taking a leading role in writing compelling research proposals.
- Proven experience in publishing scientific findings in high-impact journals and presenting at international conferences.
- Fluent in English or German (written and spoken)
- Willingness to travel occasionally between the Pro²Future GmbH locations and to our partners within Austria



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 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 between EUR 4.900,00 and EUR 5.500,00 depending on appropriate qualifications and professional experience



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

DI Cosmina-Cristina Ratiu



I work on cognitive engineering project support, developing an approach and tool support for modeling complex and collaborative processes.

Dr. Matej Vukovic



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

DI Dr. Ouidane 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 (i) CV, (ii) letter of motivation, (iii) list of realized projects, managed projects and acquired fundings, (iv) list of publications), via e-mail to: jobs@pro2future.at. Pro²Future GmbH, z.H. Mag. (FH) Sandra Neuhold-Pauer, Altenberger Straße 69, 4040 Linz, Standort Graz: Sandgasse 34, 8010 Graz, Tel.: +43 664 / 8889 2189.