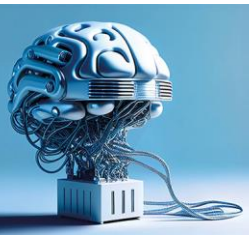

Cognitive and Sustainable Products and Production Systems of the Future

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

Technical Project Expert (m/w/d)

within the Area Cognitive Products

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

Project context

The Area Cognitive Products at Pro2Future GmbH is dedicated to the development of intelligent, adaptive products that incorporate cognitive capabilities. These products are designed to reason with structured knowledge, learn from experience, explain their behavior, reflect on their performance, and respond effectively to unexpected situations. The cognition of the products is formed by automatically optimizing the product function across the whole product lifecycle to maximize customer satisfaction, product quality, and sustainability, while minimizing production overheads. The research area is application-oriented, with a continual demand for developing prototypes and showcases, which are primarily based on embedded systems, sensor integration, as well as data acquisition and analysis.

Job profile

Under the guidance of Area Management, the candidate will be engaged as a Technical Expert in the entire portfolio of application-oriented research projects in the research area. Utilizing their expertise in embedded systems, system integration and electronics, the candidate will support the development and implementation of prototyping systems and methodologies. Such systems would serve as a base for further AI applications and integration in order to digitalize industrial systems. She or he will have the opportunity to collaborate with an interdisciplinary team, including academic and industry partners, to meet project objectives. Prior experience in industry or industrial projects is an advantage, as it enables the candidate to fully understand, communicate and manage the requirements set by industry in the research projects. The candidate will also have the opportunity to pursue a PhD or Master.

Your qualifications

- BSc or Master's degree in a relevant technical field
- Experience and practical knowledge with Embedded Systems:
  - Programming and usage of various microcontrollers/developer boards
  - System integration (i.e., sensors and actuators as well as communication)
- Ability to develop and test small-scale electronic prototypes
- Capability to create technical documentation and specifications
- Interest in technologies such as Bluetooth, UWB, and Embedded or Tiny AI, as well as data analytics and ML, and AI technologies
- Independent and reliable way of working, and working in a team
- Fluent in English or German

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, and fun at work
- Full-time gross salary per month EUR between 2.800,00 and 3.700,00 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.

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 Dr. Ouijdane Guiza

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

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: Sandgasse 34, 8010 Graz, Tel.: +43 664 / 8889 2189.