**Context**

The Austrian Center for Digital Production (ACDP) aims to employ a Leading Researcher (Area Manager) for the Research Field "Data Integration and Analytics for Digital Production"

ACDP is an interdisciplinary industrial research centre in Vienna, Austria, that focuses on the digital transformation of discrete production. and offers a unique inter-disciplinary research setting with strong involvement of leading Universities (TU Wien, TU München, WU Wien). ACDP hosts a young and international group of researchers and project staff.

To support the expansion of our Team, we are looking for a

**PhD or Post Doc Researcher in the field of Data Integration and Analytics at the Austrian Center for Digital Production, Vienna acting as a Team Leader of currently 5 young researchers** (The plan is to expand the group to ~ 10 researchers)

**Topic**

The research group of Area 4 shall deliver substantial contributions to the following topics in the next three years:

* **Architectural patterns for industrial data infrastructures**
* **Manufacturing knowledge graph prototypes for use cases supplied by industrial partners.**
* **Smart factory integration: Integration of the developed prototypical interoperable data infrastructures**
* **PPR** (Product Process Resources)**-based analytic frameworks for knowledge-driven manufacturing,**
* **Evaluation and adaptation methodology for AI techniques in industrial settings**

**Candidate Profile**

The successful candidate is expected to be highly self-motivated, open minded, and interested in tackling challenging research problems and ideally possess the following qualifications and skills:

* Master or Doctoral degree in Computer Science, Business Informatics, Information Systems Engineering, or a comparable discipline.
* Strong coding skills; experience with procedural and object-oriented programming.
* Good grasp on knowledge graphs, graph databases and/or semantic web technologies (RDF, OWL, SPARQL).
* Experience in data and knowledge engineering and/or intelligent systems design and implementation is beneficial.
* Data Science/Analytic skills and practical experience with common software frameworks (e.g., Tensorflow, Keras, or PyTorch) is welcome.
* Know How in Machine-Learning and AI – Technologies
* Basic Understanding of Production Technology
* Excellent oral and written communication skills in English are expected, as you will be working in a multilingual work environment.
* German language skills are beneficial, but not a mandatory prerequisite.

The successful candidate is expected to guide the team in terms of scientific orientation, identification of project opportunities, drafting research proposals and to be able to link the research agenda to business cases and requirements of industrial partners.

**What do we offer?**

We offer an opportunity to play a creative role in a highly dynamic scientific and technical environment. Together with experts from multiple disciplines, you will collaborate on multifaceted tasks to help to advance our innovative developments and generate real-world impact through our network of industrial partners.

The minimum Base Salary for the Position will be EUR 3.500 depending on the actual profile of the successful candidate, an overpayment can be agreed. In addition, our Employees receive a permanent ticket for the Viennese public transport network as a tax-free benefit.

We offer a high degree of flexibility in the arrangement of work schedules and support mobile working.

Expected starting date: ASAP.

**Place of work**

Our office is located in “aspern, viennas urban likeside”, one of Europe largest urban development area and is co-located with “TU Wien Pilotfabrik Industrie 4.0”, Austria’s leading development and evaluation testbed for Induistry 4.0 technologies, which serves as a key partner for our research activities.

In order to improve our international profile we are planning short- to mid term secondments to international research partners.

**How can you apply?**

Applications can be made via  email to info@acdp.at and should include:

* a motivation letter
* a research statement
* a CV with a list of publications and published software (if applicable)
* university transcripts and documents attesting the required skills and knowledge
* contact information of professors who can provide recommendations

All documents should be e-mailed as a single PDF. The positions are open until filled, with reviewing of applications to start 15.1.2021 Potential applicants are welcome to get in touch for informal enquiries before applying.

Among candidates of equal aptitude and qualifications, a person with disabilities will be given preference.

For further information, please visit www.acdp.at.