



The **Faculty of Mechanical and Industrial Engineering of TU Wien** invites applications for an Endowed Professorship according to § 94,2,1 (University Act) in

„Human Centered Cyber Physical Assembly Systems“

to be established within the **Institute of Management Sciences**. The permanent position is available as soon as possible.

The appointment is made in accordance to § 98 (University Act) and is promoted as endowed professorship in the first 5 years by the Federal Ministry for Transport, Innovation and Technology together with FACC AG, Siemens, Infineon and BRP under the RTI initiative "Production of the Future". An accompanying external evaluation of the professorship takes place during the five-year start-up phase.

Candidates must be recognized as a national and international expert with acknowledged leadership skills. Willingness and ability to develop strong research relationships with industries and government and a strong track record of securing external funding is required. Candidates are expected to have a research focus within the following research fields:

- Human-centered socio-technical work systems
- Hybrid human-machine cooperation
- Design of demographically driven workplaces
- Inter-and intra-logistical connection of the assembly processes
- Robotics and production automation
- Simulation technology in automation and robotics
- Virtual planning, modeling and simulation of assembly systems (Digital Factory)

The holder of the position will represent these areas of research in a more concrete framework in research, teaching, training and externally funded research and should have a bridge-building function to the private sector. She/He should develop an independent research program within an own research group.

Required qualifications:

- national or international recognized Ph.D. degree or equivalent in a relevant field of sciences
- Outstanding scientific record of high-quality research and high-impact publications
- excellent teaching skills

Particular requirements are:

- Experience in the field of Industrial Engineering (methods and tools, modelling, simulation and digital planning of assembly systems (Design of Assembly))
- Knowledge in ergonomics und occupational health and safety
- Proven experience in the cooperation with research institutions and industrial partners on EU level. Experience in private sector (manufacturing / production industries) is highly appreciated

An adequate participation in the research areas and curricula of TU Wien and the Faculty of Mechanical and Industrial Engineering and the university's self-management is expected. The holder of the position should show high willingness to cooperate within the university and also outwardly and establish professional connections. Cooperative relationships will be supported by TU Wien among other things by a departmental and interfaculty, practical research and development environment - TU Wien Industry 4.0 Demonstration - Factory in



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which the candidate will hold the key project coordination function of the Institute of Management Sciences.

TU Wien is committed to increasing female employment in leading scientific positions. Female applicants are explicitly encouraged to apply. Preference will be given to female applicants in case of equal qualification. Persons with disabilities or special needs are equally encouraged to apply. TU Wien promotes well conditions for a good work-life balance. Therefore, TU Wien offers among others various forms of childcare services. For new appointed professors at TU Wien as well as for their partners, TU Wien offers also various support services, for example partner career planning, language courses, residence search, work permit and labor laws.

In accordance with the Austrian Collective Agreement for University Staff, full professors receive a minimum salary of currently about EUR 67800 per year. The actual salary will be agreed between the successful applicant and the university, commensurate with qualifications and relevant experience.

Applications including a comprehensive CV comprising the scientific and professional career should be directed to the Dean of the Faculty of Mechanical and Industrial Engineering of TU Wien before March 15st, 2016 (date of the postmark). All documents must be submitted as hardcopy as well as electronically. Applicants must prove their scientific qualification by publications and completed research projects in this field. A list of publications, scientific talks, copies of the five most significant publications, and an overview of completed research and technology projects have to be included. An exposition of previous and planned teaching and research activities is also expected.

Address:

TU Wien

Dean of the Faculty of Mechanical and Industrial Engineering

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1060 Wien, Austria

Information about the institute is available under <http://www.imw.tuwien.ac.at>. Further advice may be obtained from the head of the institute, Univ.-Prof. Dr. Wilfried Sihn (wilfried.sihn@tuwien.ac.at), or from the Dean of the Faculty of Mechanical and Industrial Engineering, Univ.-Prof. Dr. Detlef Gerhard (detlef.gerhard@tuwien.ac.at).