

Open research positions in the Advanced Mechatronic Systems Group

We have open positions on the PhD-student and Post-Doc level for performing innovative research on:

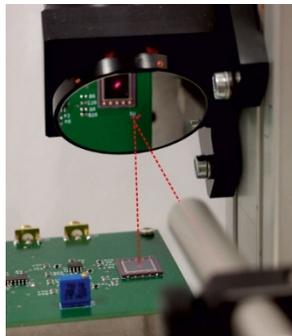
- Mechatronic Design, System Integration, and Instrumentation
- Scientific Imaging and Metrology Systems
- Precision Engineering, Motion Systems, and Control
- Industrial Automation, Process control, and Robotics

We offer the opportunity to perform scientifically challenging research in a multi-disciplinary research environment, solving application driven real-world questions. Here are some examples of projects and topics we are working on:

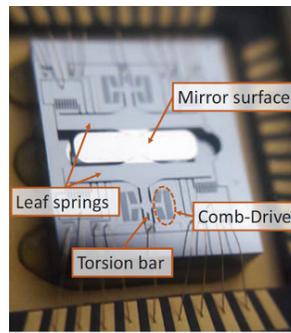
Scanning Probe
Microscopy, AFM



Optical Scanning and
3D Metrology Systems



MEMS & LIDAR
Systems



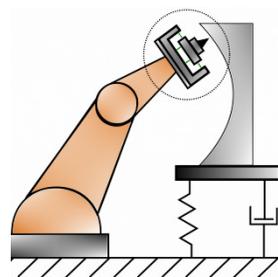
Telescope Systems,
Adaptive Optics



Mechatronics for semiconductor
manufacturing



3D printing



Robot-based inline
metrology



Modular automation
and robotics

Requirements:

We are looking for candidates holding an MSc or PhD degree in Electrical Engineering, Mechanical Engineering, Physics, Mechatronics, Cybernetics or equivalent, preferably with a strong background in at least one area of scientific instrumentation, mechanical design, mechatronic design, control engineering, electro-magnetic actuation, precision engineering, measurement science, nano-metrology, electronics, adaptive optics, systems engineering, modeling and control of dynamic systems, or automation and process control.

Good fundamentals, excellent grades, and interest in mathematics and physics or programming and automation are prerequisites. Motivation to pursue novel research in close collaboration with well-reputed international industry and academic partners is essential. Good communicational skills, fluency in English and/or German, and the willingness to work independent and motivated as member of a dynamic international research team are expected.

Conditions of employment:

TU Vienna offers an attractive benefits package, including a flexible work week, health insurance, social security, and additional company retirement benefits. Salary and benefits are in accordance with the Collective Labor Agreement for Austrian universities. We offer the opportunity to perform scientifically challenging research in a multi-disciplinary research environment, with a group of international researchers and strong collaboration with industrial, governmental, and university research laboratories. Further career growth in all teaching, research, and industrial applications is provided.

How to apply:

To apply for a position with our group, please email your application in pdf-format to schitter@acin.tuwien.ac.at or mail a hardcopy of the documents to:

Prof. Dr. Georg Schitter,
 Vienna University of Technology
 Gusshausstr. 27-29, ACIN, E376
 1040 Vienna, Austria

Please include:

- a cover letter, including a statement with your motivation for this position,
- a full CV,
- your grades and an abstract of your MSc thesis (if you apply for a PhD student position),
- a list of your publications (if any, particularly for post-docs), and
- the names and contact information of two professional references.

For more information about the ACIN department and Vienna University of Technology, please visit our website <https://www.acin.tuwien.ac.at/en/intelligente-mechatronische-systeme-ams/> and <http://www.tuwien.ac.at>.