

## Research Assistant “Soft Sensor Development”

We are looking for a research assistant (m/f/d) with a Dipl.-Ing. (Univ.) or M.Sc. degree in Process Engineering (Food Science or Bioprocess Technology), Brewing Science, Mechatronics, Informatics or related field.

### About us

As a globally renowned institute in the field of brewing, beverage and grain technology, it is our aim to always be at the forefront of scientific research. The development, implementation and provision of innovative, forward-looking technologies and concepts in this fields are essential core aspects of our work. We believe that excellent research and lateral thinking will create innovative ideas and solutions for tomorrow's industry.

### What we offer

Creative freedom – knowledge development – industrial contacts – young and creative team

### Doctoral subject: Development and evaluation of soft sensor concepts for process variables that cannot be measured directly

The direct measurement of key parameters is a challenge in the field of biotechnology, which is why intelligent prediction models are chosen. With the aid of redundancies hidden in measurement data, correlations with other measurement data or known interrelations in the process, courses of corresponding key parameters are approximated. The possibility of integrating such knowledge into the monitoring of a process can be realized by soft sensor concepts. In the context of this PhD study, soft sensors for biotechnological processes are to be developed and tested in both industrial and academic environment.

We offer a part-time job (50 %), with possible salary increase, subject to performance. This position is compensated in wages according to the German salary structure for public sector employees (TV-L). The option to earn a PhD degree at the Institute of Brewing and Beverage Technology is provided. TUM is an equal opportunity employer. As such, we explicitly encourage applications from women. Applications from disabled persons with essentially the same qualifications will be given preference.

### Requirements

- You are enthusiastic about tasks of multivariate and statistically based process analysis
- Ability and interest in analytical, creative and interdisciplinary thinking
- High level of initiative and commitment
- Systematic approach and high reliability
- Ability to work in a team and communication skills
- Completed university degree

### Application

Please submit your electronic application as a single PDF file using the subject line “Soft Sensors”. Please send your application no later than 17.06.2019 to [verwaltung@bgt.wzw.tum.de](mailto:verwaltung@bgt.wzw.tum.de)

### Contact

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### **Note on data protection**

As part of your application for a position at the Technical University of Munich (TUM), you transmit personal data. Please note our data protection information according to Art. 13 General Data Protection Regulation (GDPR) on the collection and processing of personal data in context with your application (see <http://go.tum.de/554159>). By submitting your application, you confirm that you have taken note of the TUM's data protection information.