

# **Assistant Professor in Computer Science with focus on Embedded Sensing Systems (including Industrial Networks)**

Company:  
**University of St.Gallen**

Location:  
**Switzerland / St.Gallen**

Discipline:  
**Computer Science with focus on Embedded Sensing Systems (including Industrial Networks)**

Employment Type:  
**Permanent Full-time**

Posted:  
**2022-07-16**

Contact Person:  
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As a leading business university we set global standards for research and teaching by promoting integrative thought, responsible action and an entrepreneurial spirit of innovation in business and society.

## **Assistant Professor in Computer Science with focus on “Embedded Sensing Systems (including Industrial Networks)” (non-tenure track)**

The University of St.Gallen is strengthening its degree programs in Computer Science with a new Assistant Professorship in the field of Embedded Sensing Systems and Industrial Networks. We seek an individual who will direct the creation of a new research group in this context while being motivated by the prospect to actively contribute to the further development of the School of Computer Science at the University of St.Gallen, and to build bridges with other disciplines at our university. This Assistant Professorship position is created in the context of a new collaboration of the University of St.Gallen with the Austrian state of Vorarlberg and will be endowed with the full funding for three assistant positions to start a powerful research group. While the position is fully embedded in the School of Computer Science at the University of St.Gallen, the candidate's main work location is at the to-be-founded HSG Institute of Computer Science Vorarlberg, which will also host the research group and is at the center of the local industry in Dornbirn, Austria (45 minutes from St. Gallen).

Successful candidates have a PhD in Computer Science or a related field and the potential to develop international recognition in one or several of the topics of the call. They bring sufficient academic maturity and independence in research and teaching. A track record in industry collaboration as well as in third-party funding is desired. Enthusiasm for teaching and the development of new courses is expected to shape the Computer Science programs at the University of St.Gallen.

The university is searching for candidates with a strong research background in one or more of the

following topics:

- System software for embedded sensing systems
- Embedded (industrial) sensors
- Reliable, highly available embedded systems
- Low-power, battery-powered, and opportunistically powered sensing systems
- (Robust, secure, wireless) Industrial Networks
- Embedded information processing
- Time-sensitive Networking
- Hardware architectures and design processes for embedded systems
- System-oriented procedures, methods and technologies for increasing efficiency of energy use in industry, buildings, and mobility as well as its generation and delivery

We are looking for a team-oriented and committed personality whose research activities offer links to the School of Computer Science at the University of St.Gallen. For this position, we seek candidates per February 1st 2023 or by mutual agreement.

The University of St.Gallen is committed to increasing the number of international scholars among its faculty. The School of Computer Science already today hosts 80 academic and administrative employees from diverse backgrounds and 17 nations. To further increase diversity and gender equality, we especially welcome applications from women and other underrepresented groups.

For further information, please contact Prof. Dr. Barbara Weber, Chairwoman of the Search Committee and Dean of the School of Computer Science (per email via [facultyposition@unisg.ch](mailto:facultyposition@unisg.ch)).

Candidates should submit their application, including cover letter, curriculum vitae, publications list, list of three individuals who would provide a reference, research statement including a vision for the new research group, teaching statement, and the three best publications that well represent their current research profile, in electronic form to the President of the University of St.Gallen, Prof. Dr. Bernhard Eh-renzeller (online via the website <https://www.unisg.ch/professorships>). The deadline for applications is October 1st, 2022.

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