



Cities that consume 30% less energy?
Certainly.

Internship and Master Thesis Projects in Software Technology for the Power and Automation Domain

ABB is a global leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering environmental impact. ABB operates in more than 100 countries and employs about 120,000 people, whereof 6,400 in Switzerland.

ABB Corporate Research, in close collaboration with ABB business areas, is developing the foundations for the next generation of ABB products. In Switzerland, ABB Corporate Research located in the proximity of Zurich, employs 130 scientists from 25 countries with expertise in power electronics, automation and power technologies for manufacturing, consumer and process industries as well as utilities.

Our Software Technology group performs cutting-edge research in real-time and embedded systems, remote operations and IT security, and intelligent distributed systems. We are offering several internship positions and master thesis projects. Our internship positions are competitively paid and provide the opportunity of working on real-world projects in an international team of innovative scientists.

Your tasks: programming and documenting software applications for the power and automation domain • literature research • conceptual work and original research • independent execution of challenging project tasks under competent supervision

The requirements: currently pursuing a degree in computer science or a similar subject with completion of at least 4 semesters; official enrollment

is essential • familiarity with relevant software development and software engineering practices • profound knowledge of programming languages such as C++ or C# a plus • proficiency in English • know-how in the fields of operating systems (e.g. Windows, Linux, VxWorks or QNX), the development of real-time and embedded systems, hardware-near programming, electrical engineering, control theory, multi- and many-core systems, parallel software design, security technologies, model-driven development and engineering, computer graphics and/or database technologies an asset • willingness to learn • motivation to try out cutting-edge technology developments • ability to think conceptually and express ideas clearly and convincingly

If you have further questions regarding the position, do not hesitate to contact Mr. Michael Wahler, e-mail: michael.wahler@ch.abb.com, phone: ++41 (0)58 586 81 67.

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