



Cities that consume 30% less energy?

Certainly.

R&D Scientist PhD (m/f) Innovations in Power Electronics

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 124,000 people, whereof 6,200 in Switzerland.

ABB Corporate Research, in close collaboration with varied 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 170 scientists from over 30 countries with expertise in automation and power technologies for manufacturing, consumer and process industries as well as power utilities.

As a part of ABB Corporate Research, you will work in dynamic, motivating, and creative teams with a wide range of experience and competence. Your opportunities for career development will be excellent, nationally and internationally. Our Power Electronics Department is looking for an R&D Engineer (m/f).

Your tasks: perform applied research on power electronic converters in the area of renewable

energy (wind/solar) and motor drives • conduct power converter research with focus on topology development and converter hardware design • research on advanced power electronics integration topics • contribute to the prototyping, assembling, and testing of converters • investigate manufacturability and analyze cost issues of advanced converter designs

The requirements: PhD or MSc with 5+ years' professional experience • degree in electrical engineering, mechatronics, or equivalent professional background • expertise in power electronic converter designs • basic knowledge of thermal engineering technologies and material science • familiarity with the realization of laboratory test setups • high curiosity and broad technical interest • creativity and initiative • team player with strong communication and interpersonal skills • fluency in English

Your contact:
Zorica Marinkovic, Recruiting Consultant

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