



The **Faculty of Engineering and Computer Sciences** invites dynamic scientists with a creative vision to apply for appointment as

Full Professor (W3) for Energy Conversion and Storage

at Ulm University. This position is offered in conjunction with the directorship of the Institute of Energy Conversion and Storage upon retirement of the present director.

The recent founding of an on-campus Helmholtz Institute focusing on electrochemical energy storage, the expansion of battery research at the nearby Center for Solar Energy and Hydrogen Research (ZSW) and the establishment of a new battery prototyping facility are notable developments that — supported by interdisciplinary collaboration with several University institutes — promise to transform Ulm into a leading center for the research and development of new energy technologies and their applications. A primary focus of the latter will be electric and hybrid vehicles, owing in no small part to Baden-Württemberg's traditional strengths in the automotive sector. Profiting from and contributing to this innovative environment, the future professor will be called upon to bridge the gap between basic battery science and its applications. Preferred areas of emphasis include power electronics for effective energy conversion, systems-level modeling of energy storage and batteries and/or the development of electric drives and electric power train concepts, particularly for automobiles.

We are seeking an outstanding researcher with proven expertise in at least two of the above fields. Substantial professional experience working in industry or at an applications-orientated research institute is highly desirable.

Along with distinguished scientific credentials, we expect the successful candidate to possess a strong commitment to quality education. Teaching responsibilities will include undergraduate courses in the fundamentals of electrical machines, power electronics and energy distribution, as well as the development of new graduate-level courses. Bachelor-level instruction must be offered in German within two years of appointment.

Conditions for appointment are a completed course of studies at a university, pedagogical aptitude, doctorate and additional academic achievements (§ 47 LHG).

The University of Ulm is committed to increase the share of women in research and teaching positions and therefore explicitly encourages female candidates to apply.

Interested candidates should submit an application with the usual supporting documentation (CV, transcripts, list of publications, research concept, etc.) in printed and electronic (PDF) form by **31 October 2011** to the Dean of the Faculty of Engineering and Computer Sciences, Prof. Dr.-Ing. Klaus Dietmayer, Ulm University, Albert-Einstein-Allee 39, 89081 Ulm, Germany. Additionally, candidates are asked to complete a short questionnaire (downloadable from www.uni-ulm.de/in/fakultaet/stellenangebote.html) and include it with their application, marking the mailing envelope with **reference number 107**. (Further information concerning the application procedure may be obtained from in.dekanat@uni-ulm.de.)

Physically disabled applicants receive favourable consideration when equally qualified.