The **Center for Computational Materials Science (CMS)** in Vienna (Austria) is a research center and graduate school based on a collaboration of research groups from the Faculties of Physics and Chemistry from the Universität Wien and the Technische Universität Wien. The activities of the CMS concentrate on the development of methods for multiscale simulations in condensed materials. The techniques being actively developed by the members of the CMS range from ab-initio density-functional calculations (the codes VASP and WIEN2k belong to the most advanced quantum-mechanical simulation tools used in the materials research community worldwide) to statistical-mechanical approaches for the description of liquids, amorphous materials and soft matter. The simulation tools developed by the members of the CMS are applied to a wide range of research projects: structural materials, magnetic materials, surfaces, interfaces, ultrathin films and nanomaterials, semiconductors and insulators, chemical reactions and catalysis, liquids and soft matter. Within its Graduate School financed by the Austrian Science Fund the CMS invites applications for

6 PhD studentships in Computational Materials Science.

We are looking for outstanding candidates with a degree in physics, chemistry or materials science, a strong background in quantum mechanics, statistical mechanics, mathematics and computing and a strong personal commitment to research. You will join a lively community performing front-line research. Applications with the usual credentials (CV, copies of your degrees, eventually also publications) and two letters of recommendation should be sent to the Speaker of the Graduate School, Professor Jürgen Hafner. Selected candidates will be invited to a hearing in Vienna, taking place in the first half of July 2008. For the successful applicants, the appointment to the PhD Studentship can become effective from September 2008 on. The salary will be about 25300 Euro per year before taxes, the contract will be for three years. Female students are particularly encouraged to apply.

In addition, the CMS announces the availability of

3 positions at the post-doctoral level (Post-Doc or University Assistant).

We are looking for highly qualified candidates with a doctoral degree in physics, chemistry, or materials science, and experience in ab-initio density functional calculations or statistical mechanical simulations. The successful candidates will work in the research group of Professor Georg Kresse (development of density-functional and post-density-functional methods for materials simulations and their application to advanced semiconducting and insulating materials for microelectronics, solar cells and photocatalysis) or in the research group of Prof. Dellago (development of advanced transition path sampling simulation methods and their application to soft matter systems). The salary will be about 42400 Euro/year before taxes, the appointment will be for two to six years (depending on qualification). Successful candidates will be given the opportunity to prepare their Habilitation (venia docendi). Applications with CV, copies of university degrees, list of publications and conference presentations and two letters of recommendation should be sent directly to Prof. Kresse or Prof. Dellago at the addresses given below.

The Members of the CMS

C. Dellago, J. Hafner, G. Kresse, R. Podloucky (Universität Wien)
P. Blaha, K. Held, G. Kahl, P. Mohn, J. Redinger (Technische Universität Wien)

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