
On behalf of the

Science College CMS

Vienna Computational Materials Laboratory
and Center for Computational Materials Science

we cordially invite you to the following seminar

Dr. Mike Towler

TCM Group, Cavendish Laboratory, Cambridge University, UK

Quantum Monte Carlo – a practical solution to the correlation problem in electronic structure calculations

I introduce and discuss the quantum Monte Carlo method, a state-of-the-art computer simulation technique capable of solving the equations of quantum mechanics with extremely high accuracy whilst remaining tractable for systems with relatively large numbers of constituent particles. The CASINO code, developed in our group in Cambridge over many years, is briefly reviewed and results obtained with it are used to illuminate the discussion.

Date: Monday, Nov 22, 2010 16:00

Location: Seminar room 138C (TU Freihaus 9. Stock, **gelb**)
A-1040 Wien, Wiedner Hauptstraße 8-10