RISC-Linz
Ph.D. Studies in *Symbolic Computation*
New Round (Oct. 2003)

Symbolic computation is a young and promising field in computer science and mathematics covering all aspects of algorithmic solutions to problems dealing with symbolic (i.e. non-numeric) objects. Important subareas of symbolic computation are: computer algebra, computational geometry, automated theorem proving, algorithmic combinatorics, parallel computation and software-technological issues. *Symbolic computation* forms the foundation for many high-tech application areas like CAD/CAM, robotics, geometric modeling, expert systems, etc. RISC-Linz, founded by Professor Bruno Buchberger, is committed to excellence in graduate education and research; for more information see http://www.risc.uni-linz.ac.at. For qualified students interested in the area of *symbolic computation* we offer the possibility of a Ph.D. study (3 – 4 years) at RISC-Linz starting in October 2003. For top applicants a limited number of Ph.D. fellowships is available.

Doctoral studies at RISC-Linz offer many unique features:

- a research oriented working environment with modern computer equipment and access to the latest literature;
- experienced academic researchers, teachers and many international visiting researchers;
- labs in *computer algebra, automated theorem proving ("Theorema"), computational geometry, algorithmic combinatorics, parallel computation, software technology, and symbolic computation in education;*
- location in a beautiful medieval castle 25 km from Linz.

Required is a master's (diploma) degree, preferably in mathematics or computer science. To apply for studies at RISC-Linz see the "Requirements for Application 2003/04" specified at
http://www.risc.uni-linz.ac.at/education/curriculum/phd/