BRICS

Announcement and call for participation

EEF Summer School on Massive Data Sets

June 27-July 1, 2002, University of Aarhus, Denmark

Data sets in large applications are often too massive to fit completely inside the computer's internal memory. The resulting input/output communication (or I/O) between fast internal memory and slower external memory (such as disks) can be a major performance bottleneck. During the last decade a major body of research has been devoted to the development of efficient external memory algorithms, where the goal is to exploit locality in order to reduce the I/O costs. This summer school will survey the state of the art in the design and analysis of external memory algorithms and data structures.

The lecturers and the main topics to be covered at the summer school are:

Lars Arge, Duke University	— Computational geometry
Erik D. Demaine, MIT	— Cache oblivious algorithms and data structures
Paolo Ferragina, University of Pisa	— String algorithms and data structures
Jeff Vitter, Duke University	— Sorting, searching, parallel disks
Norbert Zeh, Carleton University	— Graph algorithms

The European Educational Forum (EEF) is a joint initiative of European interuniversitary research schools in computer science, and involves 32 universities in Denmark, Finland, France, Germany, Italy, The Netherlands, and the United Kingdom. The summer school is organised as a part of the EEF foundations series of summer schools, and is supported by the European Commission and BRICS. The summer school will be held at the Department of Computer Science, University of Aarhus.

Who Should Attend? The school is open to anyone interested. A primary target group is PhD and graduate students. A substantial number of grants for students to attend the school, covering registration, accommodation and local costs are available. Applications via the electronic registration form on the homepage of the summer school. Deadline for applications is May 15, 2002. Applications after May 15, 2002, will be handled on a first come first served basis.

Updated information about the summer school will be available on the home page of the summer school at `http://www.brics.dk/MassiveData02/`.

Questions concerning the summer school should be directed to

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