Using TeX to manage IT for a Mathematics Congress

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Abstract   Just prior to this TUG conference, the ICIAM 2003 congress was held. This was a major international congress attracting ≈ 2000 delegates from all branches of mathematics — mainly applied but also a good deal of pure mathematics was represented.

As the author was responsible for the Information Technology aspects of this congress, TeX-related software served a major role throughout. It was used, for example, with

- design and production of the congress web-site;

- publicity pages for the invited speakers;

- the abstract-submission process;

- online display of abstracts, in both HTML and PDF;

- printed book of abstracts, program and speaker/subject listings;

- conference volume, with full papers from the invited speakers;

- slides of abstracts for all talks and minisymposia;

- conference CD, with the above items in both and fully-linked/bookmarked PDF.

In this talk we will look at some of this material and discuss the TeXniques used in its production and maintenance over more than 2 years leading up to the congress itself. This will include aspects relevant to LaTeX, pdf-TeX, LaTeX2 MATHML, and CGI scripting for webpages.