

## Preface to the CD-ROM

The attached CD-ROM contains contributed papers to the 27th EPS Conference on Controlled Fusion and Plasma Physics, held 12-16 June 2000 in Budapest, Hungary. The length of the contributed papers was limited to 4 pages. Each one of these 4-page papers is stored in one PDF (Adobe Portable Document Format) file. This format was chosen due to its portability across different platforms and the availability of a number of free PDF viewers.

### The submission procedure

This conference was the second time when the ELISE conference submission program was used for collecting the contributed papers. ELISE was developed by Ch. Nieswand and B. Duval at the Centre de Recherches en Physique des Plasmas (CRPP) at the Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland. ELISE is a web server program running on one or more computers of the local organisers. The authors were requested to prepare their contributed papers in either PDF or Postscript format and upload it to ELISE using its web interface. The program processed these files and generated a preview image which could be checked by the author. A contributed paper was included in the collection only if ELISE could process it and found no errors (margins and fonts) and the author accepted the presented preview. When a submission failed the procedure could be repeated several times until an acceptable result was achieved. ELISE worked during the submission rather well, over 90% of the papers were collected without operator intervention. The final submitted papers were stored by ELISE and made available on the World Wide Web after the conference.

For security reasons a printed version of the papers was requested as well. The authors who did not succeed in submitting their files had the chance to contact the local organisers either in e-mail or personally during the conference. Many incompatibility problems were solved this way, finally the Local Organising Committee accepted all PDF files readable with Adobe Acroread Version 4. About 20 papers were found which could not be submitted to ELISE but were readable with Acroread. 7 contributions were submitted only on paper, these and 4 other papers had to be scanned. Finally the CD-ROM proceedings contains 427 contributed papers.

### About the CD-ROM

For the CD-ROM a header and page number were added to all pages of the contributions. This way the papers constitute the pages of a virtual conference proceedings book and individual papers can be referenced in a normal way:

*Euromphysics Conference Abstracts* **Vol. 24B** <ppp> (2000),  
where <ppp> is the page number. To ease navigation links were added to the top of the pages which lead to the contents, author index, previous and next contribution. These links will not show up in a printed version of the papers.

Two tables of contents are available on the CD and in the booklet: one by paper number, the other by topics. The contents and author index are also linked on the CD, clicking on a contribution the proceedings is opened at the appropriate page.

The CD can be read either by Adobe Acroread (or other link-enabled PDF browser)

or by a web browser (Netscape, Internet Explorer, ...etc). Using a PDF browser open the file `start.pdf`, with a web browser use `start.html`. Follow the links to the table of contents or to the index if you wish to find a contribution by paper number or by author. For browsing the papers, we propose using the contents by topic. If necessary the papers can also be accessed directly in directory `pdf` of the CD, the file names correspond to the paper numbers. If you have troubles reading the files or links doesn't show up in your browser please consult the troubleshooting in file `troubles.pdf` of the `pdf` directory or read the `readme` file on the CD.

The quality of the papers on the CD depend on how they were prepared. Most PDF writers produce an output which describes the document by scalable entities like characters, lines, etc. These will be scaled to the resolution of the output device. However, some files contain bitmap images of the papers these are limited in resolution to the resolution of the bitmap. Please note that many contributions contain coloured images, which in some cases don't print reasonably on monochrome printers.

### **Acknowledgements**

The Local Organisers would like to thank all those who helped us in preparing this CD-ROM proceedings. CD-ROM production is at present not part of ELISE and incompatibility between PDF file writers and readers caused many problems which had to be handled one-by-one. A substantial part of these problems is solved by the appearance of Ghostview 6.5 in December 2000. The voluntary help of ELISE authors Ch. Nieswand and B. Duval is acknowledged. Scripts from them and public sources will be passed on to the organisers of the next conference. System management help from L. Földy and scanning from M. Kőrösi is also thanked.

S. Zoletnik and S. Kálvin

Budapest, January 2001