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Proceedings of the 3rd European IFS Workshop

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A thematic network in the Brite-Euram III program

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Preface

The exploratory phase of the IFS Network started in summer 1996 with the first two members University of Paderborn and Technical Educational Institute of Crete. In 1998 the thematic network had the Launch Meeting and first workshop with about 30 members. Meanwhile the network has more than 160 active and interested members. They come from more than 18 countries, not only from the European Union, but also from countries in the neighbourhood or from as far away as South-Africa and the USA. One aim of the network is to organize a technology and knowledge transfer. This is done by (e.g.) newsletters and bulletins. The IFS newsletters contain profiles of IFS members, software tools and applications in the forecasting fields. They also report about conferences, workshops and announcements of future events. The IFS bulletins summarize papers of conferences in the IFS area. Another platform for the knowledge transfer is the annual IFS workshop. This year the IFS workshop 2000 took place on the greek island Santorini.
In the four sessions: software tools today and future, electrical load forecasting, petrochemical modelling, fault forecasting and modelling more than 20 papers were presented. These papers are printed on the following pages.

A first information to the IFS network is also given in the next chapter. A more detailed description of the structure, members and activities of the IFS thematic network can be seen from the internet: www.uni-paderborn.de/~IFS.

Last but not least I may thank all the authors and presenters for their contributions to this successful workshop and also the IFS Service Center Manager Frank Rößer for the organisation and assistance.

Berthold Bitzer

August 2000

1. OPENING SESSION

2. SOFTWARE TOOLS

3. ELECTRICAL LOAD FORECASTING