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Network and Operating System Support for Digital Audio and Video

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PREFACE

This book contains the proceedings of the 1993 International Workshop on Network and Operating System Support for Digital Audio and Video (NOSSDAV '93). NOSSDAV is an international workshop that has been running for the past four years and attracts many of the leading lights in the important field of network and operating system support for multimedia. The workshop's location alternates between Europe and the USA, and in 1993 was held at Lancaster in the UK. In common with the previous workshops held in Berkeley, Heidelberg, and San Diego the workshop concentrated on system support for digital audio and video rather than applications issues.

The main aim of the 1993 program committee was to preserve the workshop atmosphere which has been a characteristic of previous NOSSDAV workshops. For this reason it was decided to restrict the number of participants and to limit the number of formal presentations. The committee therefore had the extremely difficult task of selecting for presentation just twenty-four papers from over one hundred submissions, many of excellent quality. Two general observations of the reviewers are worth noting; firstly, that the papers in this year's proceedings are generally more focused than those of previous years, and secondly, that this year's papers frequently describe actual work in progress rather than speculatively reviewing possible areas of research. The papers fall quite neatly into eight areas: End System Architecture, Operating Systems Support, High Speed Networking, Quality of Service, Protocol Issues, Resource Reservation in Heterogeneous Networks, Storage Servers and Multicast, and the workshop sessions were arranged accordingly. This structure has been maintained in these proceedings. In addition, the proceedings contain a summary of the presentations and discussions which occurred during the workshop together with a record of the panel and work-in-progress sessions.

Finally, we would like to thank the Program Committee and our colleagues at Lancaster University (particularly, Andrew Campbell and Jacqui Forsyth) for all the work they put in to make this a successful workshop.

July 1994

Gordon Blair, Geoff Coulson,
Nigel Davies, Frankie Garcia and Doug Shepherd.

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