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From Multimedia Services to Network Services

4th International COST 237 Workshop
Lisboa, Portugal, December 15-19, 1997
Proceedings

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Fourth COST 237 Workshop
From Multimedia Services to Network Services
Lisboa, December 15-19,1997

Preface

COST 237 on "Multimedia Telecommunication Services" is one of the COST Actions belonging to the European COST Programme. The activities of COST 237 are organised by a Management Committee consisting of two representatives from each of the 15 countries participating in the Action and meeting twice a year to discuss advances in multimedia services and networking.

Beside the activities of its working groups which are open to the participation of all interested people, COST 237 organises each year a technical workshop and co-organises with the ACTS programme the ECMAST Conferences. This year workshop is the fourth. Lisbon follows Vienna, Copenhagen and Barcelona.

For this workshop, we privileged innovation, both in position papers and technical works. We received 24 submitted papers of which 12 were selected to compose the basis of the technical program.

To complete the technical programme, we scheduled 2 keynote speakers, 3 invited talks, and 3 working sessions.

- The Introduction keynote was given by Paulo Verissimo (From Research to Industry: how to find your way in the jungle of networked and distributed solutions) and the closing keynote by André Danthine (Traffic Management in ATM: where do we go ?).
- The invited talks were chosen to complement the technical presentations with hot topics related to multimedia networking on the Internet. Jim Kurose made a presentation on "Internet traffic measurement", Frank Kelly talked about "charging on the Internet" and Jon Crowcroft described the "lastest advance in telephony on the Internet".
- Three working sessions were scheduled to organise debates about contradictory issues. "Mobile agents" and "IP/ATM QoS" sessions were followed by a working session on the future of the COST 237 action in the context of the european research and politic on multimedia networking.

This program was arranged to give plenty of time for the discussion of hot topics.

The workshop was also introduced by two half day tutorials. Web Evolution was addressed first by Tom Greene (W3C), followed by the Multimedia Com-

munication Environment in the afternoon by Carsten Griwodz and Lars Wolf (University of Darmstadt).

We hope you will enjoy our paper selection which is the core of these proceedings. Papers are grouped in 5 technical sessions that address the important issues of Research and Development in multimedia and network services.

Multimedia communication environments, middleware, multimedia applications, resource control, and group communication are the issues that are addressed in the technical programme.

We would like to thank for their respective contributions the Program Committee members, the reviewers, and all authors. Finally we finally thank the organisation committee for an outstanding workshop organisation in the delightful Lisbon city environment

October 1997 André Danthine and Christophe Diot

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