

COMPUTERS IN EDUCATION

Proceedings of the IFIP TC-3

3rd World Conference on Computers in Education - WCCE 81

Lausanne, Switzerland, July 27-31, 1981

edited by

BOB LEWIS

*Chelsea College
University of London
U.K.*

DONOVAN TAGG

*Senior Lecturer (retired)
University of Lancaster
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PREFACE

These Proceedings are made up from two kinds of contributions - papers, presented in detail, and summaries, intended to initiate discussion in panel sessions.

The papers are grouped according to the sessions of the Conference and these are arranged in more general areas in which contributions were specifically invited.

1. Information and various disciplines.
2. Computer Assisted Learning and other direct uses of the computer in education.
3. The impact of new technologies.
4. Social impacts including the changing role of teachers.
5. National policies and models for computer education with special reference to the needs of developing countries.
6. Aims, policies and curricula for informatic education.

The summaries are similarly grouped and appear in the second part of the Proceedings.

The contents list contains details of all the sessions including the panels, but not the summaries which are the contributions to those panels. The author index lists authors of the full papers.

Details of the way in which the final programme for the Conference was constructed are described in a paper (page 789) by the Chairman of the Programme Committee, Professor Bernard Levrat, presented during the Closing Ceremony. In the last few months, we have been fortunate to have been able to consult him from time to time and we would like to pay tribute to the assistance and advice which he has provided.

The work of the Editors has been greatly eased by the high quality of the majority of the contributions. We would like to acknowledge the high quality of camera-ready copy and the promptness of its arrival with us. In particular, we wish to thank those authors whose first - and, in some cases second - language is not English, for the care they have taken to present these papers in a most acceptable way. We have also admired some very good artwork which we appreciate is not always easy to produce.

Following the selection of papers by the Programme Committee, we had little opportunity to advise authors prior to the preparation of camera-ready copy. However, many reviewers had taken a great deal of trouble to provide editorial guidance and we are pleased to acknowledge the contribution that this must have made to the quality of the final copy. In the final editing, we have only made changes in cases where we felt that the meaning was unclear. It has not in any way been a worry that the syntax used has strayed from a contemporary English idiom. On the contrary, we felt that the international flavour of the contributions is enhanced by allowing authors a fair degree of licence in this respect. Of necessity, a somewhat pragmatic view of editorial changes has been taken. Large scale changes have involved the complete retyping of some (very few) papers. We had not the time or resources to do more and were also aware that alterations were likely to detract from the appearance of the papers by producing gaps, causing overcrowding or our inability to match all the type fonts.

The invitations to prepare summaries for the panel discussions were sent out by the Programme Committee. These were sent either to those whose submitted papers could not be included for reasons of space, or to those who were known to have particular experience in a theme selected for a panel. By far the majority of those invited to contribute to the Conference in this way agreed to do so - not always strictly within the deadline and, on occasion, rather more extensively than we might have wished. We would certainly like to thank panellists who were on time and who did keep their contributions down to 400 words as requested. We had hoped to arrange two of these summaries on each grid sheet but, as will be seen, we failed, and we apologise for the extra weight which Conference participants will have to carry. However, we believe that these summary papers are a most important part of the Proceedings, not only for participants in Lausanne, but for later readers who, we are sure, will profit from the wide range of contacts they may make in areas of particular interest to them.

Finally, some words of appreciation to those whose contribution has been the cornerstone to the preparation of these Proceedings. Once more IFIP owes a great debt to Patricia Dawkins, of Chelsea College, who organised the reception of the papers and has undertaken much of the work of retyping and amending the contributions. She has been aided, particularly over the panel summaries, by Linda Liu Hogg. As always, as IFIP editors, we have had the greatest possible assistance from North-Holland Publishers and would like to thank W: Dijkhuis, Mary Carpenter and Stephanie Smit for their invaluable help and advice.

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May 1981

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Aims, policies and curricula for
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