

Preface

The history of this volume started in Urbino, Italy, where in September 1991 the Fifth European Conference on Cognitive Ergonomics (ECCE5) was held under the auspices of the European Association of Cognitive Ergonomics (EACE). EACE brings together researchers in the area of Human-Computer Interaction (HCI) from various disciplines, in particular computer scientists and psychologists.

This volume is based on papers selected for presentation at ECCE5, except for the contributions by De Haan et al. and Heydemann et al., which were submitted to *Acta Psychologica*'s Cognitive Ergonomics Section. All papers have been reviewed and revised especially for this volume. The collection illustrates how concepts, theories and techniques from experimental psychology can be applied in the HCI domain.

The first five papers examine various theoretical issues in Cognitive Ergonomics. The ten other papers analyse performance in specific interactive tasks: computer programming and program debugging, database interrogation, text editing, and graphics design.

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