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The Computer and the Decision-Making Process | Buros-Nebraska Series on Measurement and Testing

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Preface

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Preface

This volume in the Buros-Nebraska Series on Testing and Measurement provides state-of-the-art contributions concerning the interface between computer technology and traditional psychometrics. The volume title, *Computers and the Decision-Making Process,* describes both reality and potential in a field that provides a dizzying array of promises and problems to be pursued and be solved.

This volume like the previous ones in our series reflects papers given at the annual Buros-Nebraska Symposium on Testing and Measurement and those especially commissioned for the book. Each of the contributors has a special expertise to examine the complex issues raised by the addition of the computer to the field of measurement.

The reader will notice the book has chapters concerning guidelines for computer testing, validity issues, personality testing and behavioral assessment, intelligent systems, applications in industrial/organizational psychology, and legal issues. The volume editors have endeavored successfully to provide a review of the many content areas affected by computer technology, new applications of the computer to solve old measurement problems, and new problems created by the use of the computer.

The major sections of the book are as follows: an introduction and overview of the promise of psychodiagnostic systems by Drs. Jackson, Watkins, and McDermott; analysis of validity concerns both in general about computer-based test interpretation and more specifically about programs related to the MMPI by Drs. Moreland, Eyde, Kowal, and Fishburne; applications of computer technology in behavioral assessment and industrial/organizational psychology by Drs. Kratochwill, Doll, Dickson, and Shoenfeldt; an indepth review of expert systems of computer assisted instruction by Drs. Noonan, Sarvela, O'Neil, and Baker; and

finally, legal cautions and standard setting by Drs. Bersoff, Hofer, and Green.

An analysis of our list of contributors will indicate the editors have gathered together an impressive group of scholars to create this volume. They represent measurement experts from across the country who have particular strengths in their chosen areas. The Buros Institute of Mental Measurements is very grateful to each of these professionals for contributing their special wisdom in the creation of this book.

Jane Close Conoley
Series Editor