

Preface

This book provides researchers and practitioners a forum to share research and best practices in the application of human factors to training, education, and learning sciences. Just as human factors has been applied to hardware, software, and the built environment, there is now a growing interest in the optimal design of training, education, and learning experiences. Principles of behavioral and cognitive science are extremely relevant to the design of instructional content and the effective application of technology to deliver the appropriate learning experience. These principles and best practices are important in corporate, higher education, and military training environments.

The book aims to share and transfer not just knowledge, learning experiences and best training approaches that is of real value in practical terms; but also value that can help leaders ensure their organizations stay ahead of the competition through continued innovation, strong competitive advantage, and inspired leadership.

This book is organized into five sections that contain the following subject areas:

- I. Education Research and Applications
- II. Tools and Methods in Education and Training
- III. Organizational Learning and Performance
- IV. Virtual Reality and Gamification in Learning Applications
- V. Learning and Instruction

Each section contains research paper that has been reviewed by members of the International Editorial Board. Our sincere thanks and appreciation to the board members as listed below:

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