Advances in Communication of Design

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Advances in Neuroergonomics and Cognitive Engineering  Carryl Baldwin

Advances in Design for Inclusion  Giuseppe Di Bucchianico and Pete Kercher

Advances in Ergonomics in Design  Francisco Rebelo and Marcelo Soares

Advances in Human Error, Reliability, Resilience, and Performance  Ronald L. Boring

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Preface

Communication of design is concerned with understanding users, creating communication, and engaging experiences. Users expect communication to be an exciting and interactive experience. Therefore, to provide such enjoyable and stimulating experiences, researchers in the discipline of communication design have identified that human factors try to enrich communication and optimize design experience. Topics covered in this book report on humanistic approaches, including the roles of human needs, emotions, thoughts, and actions, and have revealed more innovative approaches based on visuals. Furthermore, these types of connections influenced users’ experiences in design consumption. Such experiences generally exerted a considerable effect on users’ satisfaction toward the designs. Considering human factors in the communication of design enables designers to be actively connected with human needs.

The exploration of human factors and design in the past decades is an appropriate and valuable opportunity to enrich and strengthen the field of communication design. This book is organized into two sections that focus on the following subject matters: Communication of Design Methodologies and Communication of Design Applications.

This book will be of special value to a large variety of professionals, researchers, and students in the broad field of communication of design and human–computer interaction, who are interested in feedback of devices’ interfaces, user-centered design, and design for special populations, particularly the elderly.

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:

Chor Kin (Edward) Hung, Hong Kong
Hyun Suk (Kyle) Kim, Korea
Sui Kwong (Sunny) Lam, Hong Kong
Kyu Ha Shim, USA
Jun Bum Shin, USA
Kin Wai, Michael Siu, Hong Kong
Puay Hwa (Jesvin) Yeo, Singapore
We hope this book is informative, but even more that it is thought provoking. We hope it inspires, leading the reader to contemplate other questions, applications, and potential solutions in creating good designs for all.

July 2017

Amic G. Ho
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