

Preface

Safety Management and Risk Prevention is a common thread throughout every workplace, yet keeping employee safety and health knowledge current is a continual challenge for all employers. Safety Management and Human Factors is a cross-disciplinary area concerned with protecting the safety, health and welfare of people engaged in work or employment. The book offers a platform to showcase research and for the exchange of information in safety management and human factors. Mastering Safety Management and Human Factors concepts is fundamental to both the creation of products and systems that people are able to use and for work systems design, avoiding stresses and minimizing the risk for accidents.

This book focuses on the advances in the Safety Management and its relationship with Human Factors, which are a critical aspect in the design of any human-centered technological system. The ideas and practical solutions described in the book are the outcome of dedicated research by academics and practitioners aiming to advance theory and practice in this dynamic and all-encompassing discipline.

A total of six sections are presented in this book:

- I. Accident Analysis and Risk Prevention
- II. Culture and Organizational Aspects
- III. Applications in Safety Management and Loss Prevention
- IV. Safety and Ergonomics
- V. Fatigue and Performance
- VI. Safety and Prevention Management

Each section contains research papers that have 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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We hope that this book, which is the international state-of-the-art in safety management domain of human factors, will be a valuable source of theoretical and applied knowledge for global markets.

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