**PREFACE**

This book aims to addresses the challenges prevailing in Cyber Physical Systems by providing promising solutions through innovative techniques and thereby safeguarding the digital environment. A computer system that uses computer-based algorithms to control or monitor a mechanism is notoriously known as Cyber-Physical Systems (CPS). A broader range of services and applications are available due to the rapid development of CPS in recent years including e-Health, e-Commerce, UAV, game theory, smart grid and industry automation that influences people's life in various ways.

The information in this book offers numerous techniques and methods that addresses various security concerns in the field of automation and cyber physical world. Precautionary and preventive measures are discussed with organized examples. Analytical approach to Rescue Automation from External Assaults, Analysis of Various Threat Detection and Prevention Techniques in IoT Environment, Security in Smart Grid Cyber-Physical System, Cyber Physical Systems in Clinical Setting, Cyber Physical Systems and Game Theory Integration, Cyber-Physical Systems in HealthCare, Augmented reality in Cyber-Physical System: Challenges and Concerns, Comprehensive Study on Network and Computer Forensic Framework and A Review on Industrial Critical Infrastructure Perspective have all been thoroughly covered. By enabling readers to understand and use Cyber Physical Systems technology in a safe manner in an insecure environment, we the editors think that this book will undoubtedly be useful to academics, researchers, students, and industry professionals.

We would like to sincerely thank our reviewers for their assistance despite their busy schedules. We sincerely appreciate each and every one of our authors for their diligent chapter preparation and on-time submission. We pay deep sense of gratitude to Bentham Science Publishers from the bottom of our hearts for accepting our proposal to edit this book and for their unwavering support throughout the editing process. We owe a debt of gratitude to everyone who assisted in the successful editing of this book.

We believe that this book creates a good impact and a quintessential role in every reader’s life to imagine and develop the smart systems for the betterment of the community. This satisfaction will spur us on to create more edited works that will benefit the society.

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