Preface

The constantly changing landscape of Psychology and Mental Health makes it challenging for experts and practitioners to stay informed of the field’s most up-to-date research. That is why Information Science Reference is pleased to offer this three-volume reference collection that will empower students, researchers, and academicians with a strong understanding of critical issues within Psychology and Mental Health by providing both broad and detailed perspectives on cutting-edge theories and developments. This reference is designed to act as a single reference source on conceptual, methodological, technical, and managerial issues, as well as provide insight into emerging trends and future opportunities within the discipline.

Psychology and Mental Health: Concepts, Methodologies, Tools and Applications is organized into six distinct sections that provide comprehensive coverage of important topics. The sections are:

1. Fundamental Concepts and Theories;
2. Frameworks and Methodologies;
3. Utilization and Application;
4. Organizational and Social Implications;
5. Critical Issues; and

The following paragraphs provide a summary of what to expect from this invaluable reference tool.

Section 1, “Fundamental Concepts and Theories,” serves as a foundation for this extensive reference tool by addressing crucial theories essential to the understanding of Psychology and Mental Health. Introducing the book is Decision Support for Mental Health: Towards the Information-based Psychiatry by Jan Kalina and Jana Zvárová; a great foundation laying the groundwork for the basic concepts and theories that will be discussed throughout the rest of the book. Another chapter of note in Section 1 is titled Priming by Christina Bermeitinger. Section 1 concludes, and leads into the following portion of the book with a nice segue chapter, This Drives Me Nuts! by Stefano Triberti.

Section 2, “Frameworks and Methodologies,” presents in-depth coverage of the conceptual design and architecture of Psychology and Mental Health. Opening the section is Computational Analytical Framework for Affective Modeling: Towards Guidelines for Designing Computational Models of Emotions by Eva Hudlicka. Through case studies, this section lays excellent groundwork for later sections that will get into present and future applications for Psychology and Mental Health, including, of note: Framework to Analyse the Perception of Selfhood in Artistic Practice within Second Life by Pete Wardle; and MoBip Project: To Raise Awareness about Bipolar Disorder through a 3D Pop-Up Book by Hakan
Altinpullah and Gulsun Eby. The section concludes with an excellent work by Cassidy Lamm, Lauren Lambert, Joshua Wolfe, Jeff Gray, Angela barber, and Gary Edwards, titled *Improving Socialization and Emotion Recognition for Children with Autism Using a Smartphone App*.

Section 3, “Utilization and Application,” describes how the broad range of Psychology and Mental Health efforts has been utilized and offers insight on and important lessons for their applications and impact. The first chapter in the section is titled *Neural Networks Predictive Controller Using an Adaptive Control Rate* written by Ahmed Mnasser, Faouzi Bouani, and Mekki Ksouri. This section includes the widest range of topics because it describes case studies, research, methodologies, frameworks, architectures, theory, analysis, and guides for implementation. The breadth of topics covered in the chapter is also reflected in the diversity of its authors, from countries all over the globe. Some chapters to note include: *Towards an Improved Ensemble Learning Model of Artificial Neural Networks: Lessons Learned on Using Randomized Numbers of Hidden Neurons* by Fatai Anifowose, Jane Labadin, and Abdulazeez Abduraham; *Affect Recognition for Web 2.0 Intelligent E-Tutoring Systems: Exploration of Students’ Emotional Feedback* by Oryina Kingsley Akputu, Kah Phooi Seng, and Yun Li Lee; and *Evaluating Emotional Stability as a Predictor of Chinese MTI Students’ Interpreter Aptitude* by Jiang Fengxia to name a few. The section concludes with *Identity and E-Learning* by Narelle Borzi, a great transition chapter into the next section.

Section 4, “Organizational and Social Implications,” includes chapters discussing the organizational and social impact of Psychology and Mental Health. The section opens with *Developing Emotion-Libras 1.0: An Instrument to Measure the Emotional Quality of Deaf Persons while Using Technology* by Soraia Silva Prietch and Lucia Vilela Leite Filgueiras. Where Section 3 focused on the broad, many applications of Psychology and Mental Health technology, this section focuses exclusively on how these technologies affect human lives, either through the way they interact with each other, or through how they affect behavioral/workplace situations. Other interesting chapters of note include *Exploring Threee Measures of Student Wellbeing* by Grace Skrzypiec, Helen Askell-Williams, and Phillip Slee; and *More than Pills and Beds: Contemporary Challenges in Social Work Practie and Mental Healthcare* by Sebastian Rosenberg and Fiona McDermott. The section concludes with *Utilizing Emotions for Ethical Decision Making Leadership* by Jennifer A. Griffith, Thomas A. Zeni, and Genevieve Johnson.

Section 5, “Critical Issues,” presents coverage of academic and research perspectives on Psychology and Mental Health tools and applications. The section begins with *Is it Worth Sharing?* by Moumita Roy. Chapters in this section will look into theoretical approaches and offer alternatives to crucial questions on the subject of Psychology and Mental Health. The section concludes with *Analytical and Methodological Considerations for the Use of Social Categories in Identity Research* by Saija Benjamin and Arniika Kuusisto.

Section 6, “Emerging Trends,” highlights areas for future research within the field of Psychology and Mental Health, opening with *The Homeostatic Classroom* by John M. Montgomery. This section contains chapters that look at what might happen in the coming years that can extend the already staggering amount of applications for Psychology and Mental Health. The final chapter of the book looks at an emerging field within Psychology and Mental Health, in the excellent contribution, *The Psychology of Medical Tourism* by M. Hieda.

Although the primary organization of the contents in this multi-volume work is based on its eight sections, offering a progression of coverage of the important concepts, methodologies, technologies, applications, social issues, and emerging trends, the reader can also identify specific contents by utilizing the extensive indexing system listed at the end of each volume. As a comprehensive collection of
research on the latest findings related to using technology to providing various services, *Psychology and Mental Health: Concepts, Methodologies, Tools and Applications*, provides researchers, administrators and all audiences with a complete understanding of the development of applications and concepts in Psychology and Mental Health. Given the vast number of issues concerning usage, failure, success, policies, strategies, and applications of Psychology and Mental Health in countries around the world, *Psychology and Mental Health: Concepts, Methodologies, Tools and Applications* addresses the demand for a resource that encompasses the most pertinent research in technologies being employed to globally bolster the knowledge and applications of Psychology and Mental Health.