

Call for Chapters for the
Handbook of Research on Distributed Medical Informatics & E-Health

Editors:
Athina A. Lazakidou, Ph.D and Konstantinos M. Siassiakos, Ph.D
University of Piraeus, Greece

Introduction: Improvements in healthcare delivery in recent years are rooted in the continued industry wide investment in information technology and the expanding role of medical informatics. Endeavors to combine medical science and technology has resulted in a growing knowledge base of techniques and applications for healthcare delivery and information management in support of patient care, research and education. Emerging mobile and ubiquitous computing technologies in concert with recent developments in medicine, physiotherapy and psychology have the potential to provide people, especially those suffering from chronic diseases and the elderly, with great opportunities to improve their quality of life and increase independence in daily living. In effect, more and more healthcare will be provided outside of traditional clinical settings in the patient's home and in a proactive rather than reactive manner. The main goal of this new publication is to provide innovative and creative ideas for improving communication environments in health and generally to explore all new technologies in medical informatics and health care delivery systems.

Coverage: The *Handbook of Information Science and Technology* will provide a compendium of terms, definitions and explanations of concepts, processes and acronyms. Additionally, this volume will feature chapters (5,000-7,500 words) authored by leading experts offering an in-depth description of key terms and concepts related to different areas, issues and trends in various areas of Distributed Medical Informatics, E-Health and M-Health.

Recommended topics include, but are not limited to, the following:

- Information and Communication Technologies to Health
- New Developments in Distributed Applications and Interoperable Systems
- Electronic or Mobile Health Systems, Applications and Services
- Wireless Telemedicine and Communications Technologies in Healthcare
- Mobile Health Applications and new Home Care Telecare Systems
- Wireless LANs and Data Communications for Health Care Networks
- Distributed/Interactive/Virtual Learning Environments in Health (for Patient Education, for Medical Students or Healthcare Professionals)
- Distributed Problem-Solving Environments
- Distributed, Collaborative Science Applications
- E-Health Communication Systems Architecture
- Hospital Information Systems & E-Health Cards
- Standardization Aspects in E-Health related Communications
- Socio/Ethical & Economic Advantages of the new M-Health Applications
- Ethical Issues in E-Health and M-Health
- Evaluation of E-Health Communication Systems
- Security Issues of Telemedicine
- Distributed Health Telematics Applications
- Space Telemedicine and Satellite Applications
- Any Other Distributed Medical Applications

Invited Submissions: Individuals interested in submitting chapters (5,000-7,500 words) on the above-suggested topics or other related topics in their area of interest should submit via e-mail a 2-3 page manuscript proposal clearly explaining the mission and concerns of the proposed chapter by March 31, 2007. We strongly encourage other topics that have not been listed in our suggested list, particularly if the topic is related to the research area in which you have expertise. Upon acceptance of your proposal, you will have until June 15, 2007, to prepare your chapter of 5,000-7,500 words and 7-10 related terms and their appropriate definitions. Guidelines for preparing your paper and terms and definitions will be sent to you upon acceptance of your proposal.

Please forward your e-mail of interest including your name, affiliation and a list of topics (5-7) on which you are interested in writing a chapter to Dr. Athina A. Lazakidou, editor, at athina@unipi.gr no later than February 28, 2007. You will be notified about the status of your proposed topics as soon as possible. This book is tentatively scheduled for publishing by Idea Group Reference (an imprint of Idea Group Inc.), <http://www.idea-group-ref.com> in 2008.

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