

1ST CALL FOR CHAPTER PROPOSALS

Submission deadline: June 30, 2008

Handbook of Research on Developments in e-Health and Telemedicine: Technological and Social Perspectives

A book edited by M. Manuela Cunha, António Tavares and Ricardo Simões

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Introduction:

According to well-established definitions, e-Health refers to the use of information and communication technologies to meet the needs of citizens, patients, healthcare professionals, healthcare providers, and policy makers.

“e-Health is today’s tool for substantial productivity gains, while providing tomorrow’s instrument for restructured, citizen-centered health care systems”

The Internet has created and continues creating new opportunities and challenges to the health care information technology industry, to organizations and to citizens. We are witnessing a growing number of successful e-Health developments in a wide range of domains, including health information networks, electronic health records, telemedicine services, wearable and portable monitoring systems, and health portals. Simultaneously, since e-health encompasses more than mere technological development, significant developments can be seen in complementary disciplines such as psychology, sociology, law, management of healthcare services, and other.

The mission and overall objectives of this handbook of research:

The mission of the proposed book is to discuss the main issues, challenges, opportunities and trends related to this new field of knowledge able to transform the way we live and deliver services, from the social and technological dimensions, in a very comprehensive way, and to disseminate current developments and practical solutions and applications.

We intend to highlight with this proposed handbook of research that e-health encompasses more than mere technological development.

The overall objectives are:

- To discuss the importance of e-Health and the emerging technological developments and practical solutions.
- To introduce the state-of-the-art supporting technology.
- To introduce and discuss the challenges associated with e-Health developments, from the social, organizational and technological perspectives.
- To introduce recent technological developments and associated human / social implications.

- To introduce relevant and recent developments and solutions (academic and industrial) addressing the several dimensions and issues of the handbook of research.

The book is intended to support the academic audience (teachers, researchers and students, mainly of post-graduate studies), healthcare professionals (health specialists, medical doctors, sociologists and administrators), and IT professionals (system developers and IT specialists) and policy makers.

Recommended topics:

The book intends to collect the most recent contributions on the social and technological dimensions of the largely multidisciplinary field of *e-Health*. It is intended to cover the following aspects:

1. The technological dimension that enables and supports teleservices, telemedicine, teleoperation and telemonitoring. The technological dimension includes:
 - Information systems and technologies
 - Communication technologies
 - Monitoring technologies
 - Information and systems integration
 - Electronic medical records
 - Electronic devices
2. The social and human dimensions, which explores motivations, benefits and emergent effects of e-Health project implementations, and which include, for example:
 - Increased quality of life
 - Increased life expectancy
 - Trust and privacy issues
 - Ethical aspects
 - Legal aspects
 - Training
3. Organizational aspects and management of e-health services
4. Business and entrepreneurial perspective focusing on the added value of specific applications
5. Impact, implications and challenges (social and technological) of e-Health
 - On individuals, families and communities
 - On organizations and business
 - On scientific knowledge and on research
6. Ongoing developments, applications and case studies
 - Emerging solutions
 - Relevant R&D projects
 - Integration between applications and solutions
 - Current development trends

7. Integration with other disciplines:

- Sociology
- Psychology
- Gerontology
- Distributed technologies and systems
- Knowledge management

Submission Procedure:

Researchers and practitioners are invited to submit on or before June 30, 2008, a 1-2 page manuscript proposal clearly explaining the mission and concerns of the proposed chapter.

Authors of accepted proposals will be notified by July 15, 2008 about the status of their proposals and will be sent chapter organization guidelines. Upon acceptance of your proposal, you will have until October 15, 2008, to prepare your chapter of 8,000-10,000 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. All submitted chapters will be reviewed on a double-blind review basis.

The book is scheduled to be published in 2010 by IGI Global, <http://www.igi-global.com>, publisher of Information Science Reference (formerly Idea Group Reference), and Medical Information Science Reference imprints.

Submissions should be forwarded electronically (**Word document as attachment**) to ehealth.and.telemedicine@gmail.com. LaTeX files cannot be accepted.

For more detailed information, please visit http://ehealth_and_telemedicine.ipca.pt

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