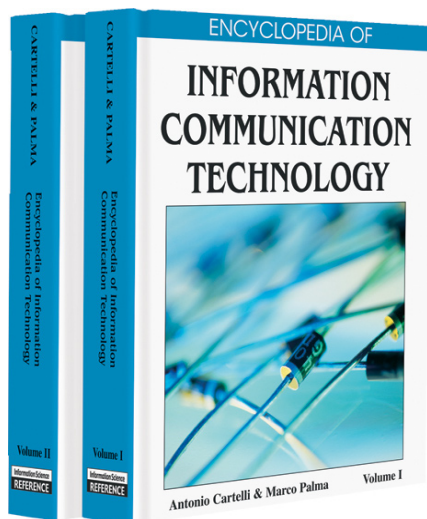


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# Encyclopedia of Information Communication Technology

Edited by: **Antonio Cartelli and Marco Palma,**  
University of Cassino, Italy



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University of Peloponnese,  
Greece

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The **Encyclopedia of Information Communication Technology (ICT)** is a comprehensive resource describing the influence of information communication technology in scientific knowledge construction and spreading, with emphasis on the roles of product technologies, process technologies, and context technologies.

A reference point for studies on the use and application of information science in scientific knowledge construction, the **Encyclopedia of Information Communication Technology** covers the materials and instruments of information technology: from ICT in education to software engineering; the influence of ICT on different environments, including e-commerce, decision support systems, knowledge management, and more; and the most pervasive presence of information technology, including studies and research on knowledge management, the human side of ICT, ICT in healthcare, and virtual organizations, among many others. Addressing many of the fundamental issues of information communication technology, these estimable volumes will be a top-shelf resource for any reference library.



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Edited by: **Antonio Cartelli and Marco Palma, University of Cassino, Italy**

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## Topics Covered

- Cultural changes influenced by ICT
- Evolution of human/scientific knowledge
- ICT environments for learning
- ICT in science and education
- ICT influence on scientific knowledge construction and evolution
- ICT influence on scientific revolution

- Impact of technology on society
- Information processes technologies
- Information systems for research/teaching improvement
- Instruments and processes of knowledge construction
- Product and service development with ICT
- Scientific and didactic communication

- Scientific knowledge theories
- Technology planning, marketing, and management
- Technology tools for education
- Theories and models of ICT design
- Virtual communities

## About the Editors:

**Antonio Cartelli** was born in Cassino (Italy) in 1954. He graduated in Mathematics at "La Sapienza" University in Rome and obtained, in the same University, the after-degree Special School Diploma in Physics. After the degree he taught non stop until 2001-2002 school year in national schools of different level. Outside the school he had different professional experiences. He was teacher of Computer Science in the educational center of the Local Medical Structure and in in-service training courses for teachers, he was also tutor for Programming Languages and Networking in distance courses, System Administrator and Webmaster in an Internet Service Provider and Network Administrator, Webmaster and Networking consultant for the Faculty of Humanities in the University of Cassino. As a winner of the national competition for a researcher he is now in the employ of the Faculty of Humanities of the University of Cassino, Italy, where he teaches Basic computer science and Teaching and learning technologies. He actively participated in many national and international research activities and in 2006 coordinated the research local unit of the University of Cassino in a national project directed from the University of Florence and in an international projects coordinated from the University of Paisley, Scotland, UK. He actually manages: a) the Faculty Centre for ICT and on line teaching, which assists lecturers and professors in the integration of e-learning in everyday teaching, b) the Laboratory for Teaching and learning technologies in the Department of Human and social sciences he belongs to. He is member of several national and international societies and cooperates as a volunteer in the review process of international scientific journals. Among his most recent publications is the book Teaching in the Knowledge Society: New skills and instruments for teachers by IGI global.

**Marco Palma** is full time professor of Latin palaeography in the Faculty of Humanities of the University of Cassino (Italy). His main research interests are the morphology and development of different scripts of books and charters in the Western Middle Ages (i. e. from the sixth to the fifteenth century). He is also working on the material aspects of manuscripts, as well as the transmission of classic and medieval texts before the invention of printing. He is particularly interested in the theoretical and practical problems of the description of medieval manuscripts, and the diffusion of scientific information and didactic contents through the Internet. The open catalogue of manuscripts, his recent main project, conceived some years ago along with Antonio Cartelli, was so far realized by two historic libraries in Italy (Malatestiana of Cesena and Lancisiana of Rome).

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