An Excellent Addition to Your Library!

Released: August 2010

Wireless Technologies for Ambient Assisted Living and Healthcare: Systems and Applications

Athina Lazakidou (University of Peloponnese, Greece), Konstantinos Siassiakos (University of Piraeus, Greece) and Konstantinos Ioannou (University of Patras, Greece)

Improving the quality of life for the disabled and elderly is a pressing issue for today’s European societies, as Europe, and industrialized countries worldwide, are confronted with a demographic shift. Researchers are looking toward Ambient Assisted Living (AAL) as the solution to this problem.

Wireless Technologies for Ambient Assisted Living and Healthcare: Systems and Applications provides a compendium of terms, definitions, and explanations of concepts and processes within the area of AAL. It focuses on innovative wireless solutions for smart home environments, which will positively contribute to independent living and quality of life for disabled and elderly individuals, as they rely less on caretakers and more on technology. Other topics include information and communication technologies related to health, new developments in distributed applications and interoperable systems, applications and services, wireless technologies and architectures for health monitoring systems, and wireless communication and sensor networks in smart living space.

Topics Covered:
- Pervasive Information Systems
- Data Mining
- TETRA Networks
- Health Information Transfer
- Computational Intelligence Techniques
- Wireless Sensor Networks
- WiMAX Networks
- Telemedicine Applications
- Smart Home Environment
- E-health Interoperability using E-government Frameworks

Print: US $245.00 | Perpetual: US $365.00 | Print + Perpetual: US $490.00

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Athina Lazakidou, Ph.D, currently works at the University of Peloponnese, Department of Nursing in Greece as Lecturer in Health Informatics, and at the Hellenic Naval Academy as a Visiting Lecturer in Informatics. She worked as a Visiting Lecturer at the Department of Computer Science at the University of Cyprus (2000-2002) and at the Department of Nursing at the University of Athens (2002-2007). She did her undergraduate studies at the Athens University of Economics and Business (Greece) and received her BSc in Computer Science in 1996. In 2000, she received her Ph.D. in Medical Informatics from the Department of Medical Informatics, University Hospital Benjamin Franklin at the Free University of Berlin, Germany. She is also an internationally known expert in the field of computer applications in health care and biomedicine, with six books and numerous papers to her credit. She was also Editor of the Handbook of Research on Informatics in Healthcare and Biomedicine and Handbook of Research on Distributed Medical Informatics and E-Health, the best authoritative reference sources for information on the newest trends and breakthroughs in computer applications applied to health care and biomedicine. Her research interests include health informatics, e-Learning in medicine, software engineering, graphical user interfaces, (bio)medical databases, clinical decision support systems, hospital and clinical information systems, electronic medical record systems, telematics, and other web-based applications in health care and biomedicine.
Enclosed is check payable to IGI Global in US Dollars, drawn on a US-based bank

☐ Credit Card ☐ Mastercard ☐ Visa ☐ Am. Express

3 or 4 Digit Security Code: ____________________________

Name on Card: __________________________________________

Account #: ____________________________________________

Expiration Date: ________________________________

Order Your Copy Today!