1. Record Nr. UNINA9910464461303321

Titolo	Communications, navigation, sensing and services / / Em. Prof. dr. ir. L. P. Ligthart, Prof. dr. R. Prasad, editors
Pubbl/distr/stampa	Aalborg, Denmark : , : River Publishers, , 2013 ©2013
ISBN	87-92982-95-6
Descrizione fisica	1 online resource (206 p.)
Collana	River Publishers Series in Communications
Disciplina	621.3845
Soggetti	Personal communication service systems Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Conasense"--Cover.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	""Cover""; ""Contents""; ""Preface""; ""1 CONASENSE: A New Initiative on COmmunication, NAvigation, SENsing and SErvices""; ""1.1 Introduction""; ""1.2 Examples Illustrating CONASENSE Importance""; ""1.3 CONASENSE Characteristics and Structure""; ""1.4 Conclusion""; ""References""; ""2 Integration of Communications, Navigation, Sensing and Services for Quality of Life: Challenges, Design and Perspectives""; ""2.1 The a€œIntegrated Visiona€?""; ""2.2 Benefits for Quality of Life Improvement""; ""2.3 Design of Integrated Systems for QOL: Integration Strategies"" ""2.4 Services for the Short/Medium/Long-Term""""2.5 Final Remarks""; ""References""; ""3 Flexible Intelligent Heterogeneous Systems for Enhancing Quality of Life""; ""3.1 Introduction""; ""3.2 Applications for Quality of Life""; ""3.3 Flexible Heterogeneous Architecture""; ""3.4 Services and Systems for Quality of Life""; ""3.5 Conclusions""; ""References""; ""4 CONASENSE as Cross-Cutting Challenge a€?A Dutch Perspective Based on IIP Intelligent Communication""; ""4.1 Introduction""; ""4.2 Intelligent Communication""; ""4.3 Health and Well-Being""; ""4.4 Smart Energy"" ""4.5 Smart Mobility Systems""""4.6 Cross-Cutting Challenges""; ""4.7 Conclusions""; ""References""; ""5 MIMO Systems and Application to Brain Computer Interface by Using EEG""; ""5.1 Introduction""; ""5.2 EEG

Signals and Their Classification""; ""5.3 Electric Field in the Brain and the Propagation Model""; ""5.4 MIMO Techniques to Detect EEG Signals and to Localize Their Origin""; ""5.5 Conclusions""; ""References""; ""6 Multimedia and Network Quality of Service""; ""6.1 Introduction""; ""6.2 Differentiating the Networks. Development Processes, Merits and Sublayers""
""6.3 Multimedia Networks and Various Media Types""""6.4 Types of Media in Terms of Computer Networks""; ""6.5 Discrete and Continuous RT Media""; ""6.6 Functional Limitations Related to the Integration of Multimedia Applications""; ""6.7 Internet Architecture Adaptation to Distributed Media Applications and Phases of Time Delay Formation of Multimedia Packets Over the Internet""; ""6.8 Development of New Models for Servicing of Applied Sessions for Data Transmission in the Internet Architecture""; ""6.9 Modern Routing Algorithms in the Internet (IGRP, EIGRP)""; ""6.10 Experiments""
""6.11 Conclusions""""References""; ""7 Potential Applications and Research Opportunities in the CONASENSE Initiative""; ""7.1 Introduction""; ""7.2 Requirements""; ""7.3 Potential Research Areas""; ""7.4 Potential Applications""; ""7.5 Conclusions""; ""References""; ""8 Green Wireless Sensor Networks with Distributed Beamforming and Optimal Number of Sensor Nodes""; ""8.1 Introduction""; ""8.2 Distributed Beamforming in Wireless Sensor Networks""; ""8.3 Optimizing Energy Consumption of Cognitive WSN""; ""8.4 Clustering Method for a Close to Optimal Number of Nodes""
""8.5 Simulation Results""