

1. Record Nr.	UNINA9910789375403321
Titolo	Communications, navigation, sensing and services // edited by L. P. Ligthart, R. Prasad
Pubbl/distr/stampa	Aalborg, Denmark : , : River Publishers, , [2013] ©2013
ISBN	1-00-333763-5 1-000-79457-1 1-003-33763-5 1-000-79145-9 87-92982-95-6
Descrizione fisica	1 online resource (206 p.)
Collana	River Publishers Series in Communications
Disciplina	621.382
Soggetti	Personal communication service systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Conasense"--Cover.
Nota di bibliografia	Includes bibliographical references 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""

Sommario/riassunto

In this first book the fundamentals of this new approach on integrated communication, navigation, sensing and services (Conasense) will be elucidated. Furthermore, several applications illustrate some of the aims of Conasense. Two major areas have been selected1. Quality of life2. Intelligent Conasense architectures.
