1. Record Nr. UNINA9910895753303321

Titolo	Demografie : revue pro výzkum populaního vývoje
Pubbl/distr/stampa	Praha, : eský statistický úad
ISSN	1805-2991
Descrizione fisica	1 online resource
Soggetti	Population Demography POPULATION CZECH REPUBLIC Periodical Periodicals. Czech Republic Population Periodicals Czechoslovakia Population Periodicals Czech Republic Czechoslovakia
Lingua di pubblicazione	Ceco
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed Some issues accompanied by CD-ROM, <2007->

2. Record Nr. UNINA9911018938603321

Titolo	Cooperating embedded systems and wireless sensor networks / / edited by Michel Banatre ... [et al.]
Pubbl/distr/stampa	London, : ISTE Hoboken, NJ, : Wiley, 2008
ISBN	9786612164798 9781282164796 1282164791 9780470610817 0470610816 9780470393451 0470393459
Descrizione fisica	1 online resource (420 p.)
Collana	ISTE ; ; v.3
Classificazione	ST 153 ST 200
Altri autori (Persone)	BanatreMichel <1950->
Disciplina	681/.2
Soggetti	Embedded computer systems Sensor networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cooperating Embedded Systems and Wireless Sensor Networks; Table of Contents; Chapter 1. An Introduction to the Concept of Cooperating Objects and Sensor Networks; 1.1. Cooperating objects and wireless sensor networks; 1.2. Embedded WiSeNts; 1.3. Overview of the book; Chapter 2. Applications and Application Scenarios; 2.1. Summary; 2.2. Introduction; 2.3. Characteristics and requirements of applications; 2.4. State of the art projects; 2.5. Taxonomy of CO applications; 2.5.1. Control and Automation (CA); 2.5.2. Home and Office (HO); 2.5.3. Logistics (L); 2.5.4. Transportation (TA) 2.5.5. Environmental monitoring for emergency services (EM)2.5.6. Healthcare (H); 2.5.7. Security and Surveillance (SS); 2.5.8. Tourism (T); 2.5.9. Education and Training (ET); 2.6. Scenario description structure; 2.7. Application scenarios; 2.7.1. Forest fire detection scenario; 2.7.1.1. Introduction; 2.7.1.2. Scenario characteristics; 2.7.1.3. Functional

specification; 2.7.1.4. Object decomposition; 2.7.1.5. Step-by-step scenario description; 2.7.1.6. System requirements; 2.7.2. Good Food; 2.7.2.1. Introduction; 2.7.2.2. Scenario characteristics; 2.7.2.3. User requirements
2.7.2.4. Functional specification2.7.2.5. Object decomposition; 2.7.2.6. Step-by-step scenario description; 2.7.2.7. System requirements; 2.7.3. CORTEX's Car Control; 2.7.3.1. Introduction; 2.7.3.2. Scenario characteristics; 2.7.3.3. User requirements; 2.7.3.4. Functional specification; 2.7.3.5. Object decomposition; 2.7.3.6. Step-by-step scenario description; 2.7.3.7. System requirements; 2.7.4. Hogthrob; 2.7.4.1. Introduction; 2.7.4.2. Scenario characteristics; 2.7.4.3. User requirements; 2.7.4.4. Functional specification; 2.7.4.5. Object decomposition
2.7.4.6. Step-by-step scenario description2.7.5. Smart surroundings; 2.7.5.1. Introduction; 2.7.5.2. Scenario characteristics; 2.7.5.3. System requirements; 2.7.6. Sustainable bridges; 2.7.6.1. Introduction; 2.7.6.2. Application characteristics; 2.7.6.3. System requirements; 2.7.6.4. Functional specification; 2.7.6.5. Object decomposition; 2.8. Conclusions; 2.9. List of abbreviations; 2.10. Bibliography; Chapter 3. Paradigms for Algorithms and Interactions; 3.1. Summary; 3.2. Introduction; 3.2.1. Aim of the chapter; 3.2.2. Organization of the chapter; 3.3. Definition of concepts
3.4. Wireless sensor networks for environmental monitoring3.4.1. Application scenarios; 3.4.2. Peculiarities of WSNs; 3.4.3. Medium Access Control; 3.4.3.1. Random Access Protocols; 3.4.3.2. Deterministic access protocols; 3.4.4. Routing and forwarding algorithms; 3.4.4.1. Location-based routing; 3.4.4.2. Data-centric routing; 3.4.4.3. Hierarchical-based routing; 3.4.5. Sensor data aggregation; 3.4.6. Clustering and backbone formation; 3.4.6.1. Clustering for ad hoc networks; 3.4.6.2. Clustering for WSNs; 3.4.7. Localization in ad hoc and WSNs; 3.4.7.1. Range-free localization 3.4.7.2. Range-based localization

Sommario/riassunto

A number of different system concepts have become apparent in the broader context of embedded systems over the past few years. Whilst there are some differences between these, this book argues that in fact there is much they share in common, particularly the important notions of control, heterogenity, wireless communication, dynamics/ad hoc nature and cost. The first part of the book covers cooperating object applications and the currently available application scenarios, such as control and automation, healthcare, and security and surveillance. The second part discusses paradigms for algori