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## Fundamentals of Mobile and Pervasive Computing

Adelstein  
Gupta  
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elderly is presented with different techniques for the mobile ubiquitous and virtual environments      *Ubiquitous Commerce for Creating the Personalized Marketplace: Concepts for Next Generation Adoption* Hung, Humphry, Wong, Y H, Cho, Vincent, 2009-05-31 This book is a compendium of definitions and explanations of concepts and processes within u commerce Provided by publisher      **Context-Aware Communication and Computing: Applications for Smart Environment**

Punnarumol Temdee, Ramjee Prasad, 2017-06-29 This book introduces context aware computing providing definitions categories characteristics and context awareness itself and discussing its applications with a particular focus on smart learning environments It also examines the elements of a context aware system including acquisition modelling reasoning and distribution of context It also reviews applications of context aware computing both past and present to offer readers the knowledge needed to critically analyse how context awareness can be put to use It is particularly to those new to the subject area who are interested in learning how to develop context aware computing oriented applications as well as postgraduates and researchers in computer engineering communications engineering related areas of information technology IT Further it provides practical know how for professionals working in IT support and technology consultants and business decision makers and those working in the medical human and social sciences      Handbook of Research on Ubiquitous Computing Technology for Real Time Enterprises Mühlhäuser, Max, Gurevych, Iryna, 2008-01-31 This book combines the fundamental methods algorithms and concepts of pervasive computing with current innovations and solutions to emerging challenges It systemically covers such topics as network and application scalability wireless network connectivity adaptability and context aware computing information technology security and liability and human computer interaction Provided by publisher

**Intelligent Information Technologies: Concepts, Methodologies, Tools, and Applications** Sugumaran, Vijayan, 2007-11-30 This set compiles more than 240 chapters from the world s leading experts to provide a foundational body of research to drive further evolution and innovation of these next generation technologies and their applications of which scientific technological and commercial communities have only begun to scratch the surface      **Fundamentals of Mobile and Pervasive Computing** Frank Adelstein, Sandeep KS Gupta, Golden Richard III, Loren Schwiebert, 2004-12-30 This book details the engineering principles underlying mobile computing serving as a basic reference as text for graduate and advanced undergraduates It is the first systematic explanation of mobile communications as a discipline in itself containing Exercises projects and solutions      *Handbook of Research on Advanced Practical Approaches to Deepfake Detection and Applications* Obaid, Ahmed J., Abdul-Majeed, Ghassan H., Burlea-Schiopoiu, Adriana, Aggarwal, Parul, 2023-01-03 In recent years falsification and digital modification of video clips images as well as textual contents have become widespread and numerous especially when deepfake technologies are adopted in many sources Due to adopted deepfake techniques a lot of content currently cannot be recognized from its original sources As a result the field of study previously devoted to general multimedia forensics has been revived The Handbook of Research on Advanced Practical

Approaches to Deepfake Detection and Applications discusses the recent techniques and applications of illustration generation and detection of deepfake content in multimedia. It introduces the techniques and gives an overview of deepfake applications, types of deepfakes, the algorithms and applications used in deepfakes, recent challenges and problems, and practical applications to identify, generate, and detect deepfakes. Covering topics such as anomaly detection, intrusion detection, and security enhancement, this major reference work is a comprehensive resource for cyber security specialists, government officials, law enforcement, business leaders, students, and faculty of higher education, librarians, researchers, and academicians.

Advanced Research and Trends in New Technologies, Software, Human-Computer Interaction, and Communicability Cipolla-Ficarra, Francisco Vicente, 2013-08-31. This book presents scientific theoretical and practical insight on the software and technology of social networks and the factors that boost communicability, highlighting different disciplines in the computer and social sciences fields. Provided by publisher.

User-Driven Healthcare: Concepts, Methodologies, Tools, and Applications Management Association, Information Resources, 2013-01-31. User Driven Healthcare: Concepts, Methodologies, Tools, and Applications provides a global discussion on the practice of user-driven learning in healthcare and connected disciplines and its influence on learning through clinical problem solving. This book brings together different perspectives for researchers and practitioners to develop a comprehensive framework of user-driven healthcare.

Advances in Practical Applications of Heterogeneous Multi-Agent Systems - The PAAMS Collection Yves Demazeau, Franco Zambonelli, Juan M. Corchado Rodríguez, Javier Bajo Pérez, 2014-05-14. This book constitutes the refereed proceedings of the 12th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS 2014) held in Salamanca, Spain, in June 2014. The 12 revised full papers and 14 short papers were carefully reviewed and selected from 52 submissions and are presented together with 19 demonstrations. The papers report on the application and validation of agent-based models, methods, and technologies in a number of key application areas, including agent-oriented software engineering, conversations, motion coordination, and unmanned aerial vehicles, web and service systems, robotics, exploration, smart cities, and infrastructures, and social systems.

**Pervasive Computing** Uwe Hansmann, Lothar Merk, Martin S. Nicklous, Thomas Stober, 2003-06-06. This book describes a new class of computing devices which are becoming omnipresent in every day life. They make information access and processing easily available for everyone from anywhere at any time. Mobility, wireless connectivity, diversity, and ease of use are the magic keywords of Pervasive and Ubiquitous Computing. The book covers these front-end devices as well as their operating systems and the back-end infrastructure which integrates these pervasive components into a seamless IT world. A strong emphasis is placed on the underlying technologies and standards applied when building up pervasive solutions. These fundamental topics include commonly used terms such as XML, WAP, UMTS, GPRS, Bluetooth, Jini, transcoding, and cryptography, to mention just a few. Voice, Web, Application Servers, Portals, Web Services, and Synchronized and Device Management are new in the second edition. Besides a comprehensive state of the art

description of the Pervasive Computing technology itself this book gives an overview of today's real life applications and accompanying service offerings M Commerce e Business networked home travel and finance are exciting examples of applied Ubiquitous Computing

**Fundamentals of Pervasive Information Management Systems** Vijay Kumar, 2013-06-27 A comprehensive new edition on mobile computing covering both mobile and sensor data The new paradigm of pervasive computing was born from the need of highly mobile workers to access and transfer data while on the go Significant advances in the technology have lent and will continue to lend prevalence to its use especially in commerce Covering both mobile data and sensor data this comprehensive text offers updated research on sensor technology data stream processing mobile database security and contextual processing Packed with cases studies exercises and examples Fundamentals of Pervasive Information Management Systems covers essential aspects of wireless communication and provides a thorough discussion about managing information on mobile database systems MDS It addresses the integration of web and workflow with mobile computing and looks at the current state of research Fundamentals of Pervasive Information Management Systems presents chapters on Mobile Database System Mobile and Wireless Communication Location and Handoff Management Fundamentals of Database Processing Introduction to Concurrency Control Mechanisms Effect of Mobility on Data Processing Transaction Management in Mobile Database Systems Mobile Database Recovery Wireless Information Dissemination Introduction to Sensor Technology Sensor Technology and Data Streams Management Sensor Network Deployment Case Studies Fundamentals of Pervasive Information Management Systems is an ideal book for researchers teachers and graduate students of mobile computing The book may also be used as a reference text for researchers or managers

Groupware: Design, Implementation, and Use Yannis A. Dimitriadis, 2006-09-18 This book constitutes the refereed proceedings of the 12th International Workshop on Groupware CRIWG 2006 The book presents 21 revised full papers and 13 revised short papers carefully reviewed and selected from 99 submissions Topical sections include collaborative applications and group interaction group awareness computer supported collaborative learning languages and tools supporting collaboration groupware development frameworks and toolkits collaborative workspaces web based cooperative environments mobile collaborative work and collaborative design

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