Kinect Sensor Manual

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Advances in Design for Inclusion Academic Press
2014 International Conference on Multimedia, Communication and Computing Application (MCCA2014), Xiamen, China, Oct 16-17, 2014, provided a forum for experts and scholars of excellence from all over the world to present their latest work in the area of multimedia, communication and

computing applications. In recent years, the multimedia techno

State-of-the-Art Sensors Technology in Spain 2017 Volume 1 Springer

Advances in Agronomy continues to be recognized as a leading reference and a first-rate source for the latest research in agronomy. Each volume contains an eclectic group of reviews by leading scientists throughout the world. As always, the subjects covered are varied and exemplary of the myriad of subject matter dealt with by this long-running serial. Timely and state-of-the-art reviews Distinguished, well recognized authors A venerable and iconic review series Timely publication of submitted reviews

Visual Sensors CRC Press

eWork and eBusiness in Architecture, Engineering and Construction 2016 collects the papers presented at the 11th European Conference on Product & Process Modelling (ECPPM 2016, Cyprus, 7-9 September 2016), The contributions cover complementary thematic areas that hold great promise for the advancement of research and technological development in the modelling of complex engineering systems, encompassing a substantial number of high quality contributions on a large spectrum of topics pertaining to ICT deployment instances in AEC/FM, including: • Information and Knowledge Management • Construction Management • Description Logics and Ontology Application in AEC • Risk Management • 5D/nD Modelling, Simulation and

Augmented Reality • Infrastructure Condition Assessment • Standardization of Data Structures • Regulatory and Legal Aspects • Multi-Model and distributed Data Management • System Identification • Industrialized Production, Smart Products and Services • Interoperability • Smart Cities • Sustainable Buildings and Urban Environments • Collaboration and Teamwork • BIM Implementation and Deployment • Building Performance Simulation • Intelligent Catalogues and Services

Health Care Systems Engineering CRC Press

Many sensors are currently available at prices lower than USD 100 and cover a wide range of biological signals: motion, muscle activity, heart rate, etc. Such low-cost sensors have metrological features allowing them to be used in everyday life and clinical applications, where gold-standard material is both too expensive and time-consuming to be used. The selected papers present current applications of low-cost sensors in domains such as physiotherapy, rehabilitation, and affective technologies. The results cover

various aspects of low-cost sensor technology from hardware design to software optimization.

Multimedia, Communication and Computing Application Springer Science & Business Media

Visual sensors are able to capture a large quantity of information from the environment around them. A wide variety of visual systems can be found, from the classical monocular systems to omnidirectional, RGB-D, and more sophisticated 3D systems. Every configuration presents some specific characteristics that make them useful for solving different problems. Their range of applications is wide and varied, including robotics, industry, agriculture, quality control, visual inspection, surveillance, autonomous driving, and navigation aid systems. In this book, several problems that employ visual sensors are presented. Among them, we highlight visual SLAM, image retrieval, manipulation, calibration, object recognition, navigation, etc.

My Xbox Springer

Maximize the impact and precision of your message! Now in its fourth edition, the Microsoft Manual of Style provides essential guidance to content creators, journalists, technical writers, editors, and everyone else who writes about computer technology. Direct from the Editorial Style Board at Microsoft—you get a comprehensive glossary of both general technology terms and those specific to Microsoft; clear, concise usage and style guidelines with helpful examples and alternatives; guidance on grammar, tone, and voice; and best practices for writing content for the web, optimizing for accessibility, and communicating to a worldwide audience. Fully updated and optimized for ease of use, the Microsoft

Manual of Style is designed to help you communicate clearly, consistently, and accurately about technical topics—across a range of audiences and media.

Meet the Kinect Springer
In the early 1990s, a small group of individuals recognized how virtual reality (VR) could transform medicine by immersing physicians, students and patients in data more completely. Technical obstacles delayed progress but VR is now enjoying a renaissance, with breakthrough applications available for healthcare. This book presents papers from the Medicine Meets Virtual Reality 22 conference, held in Los Angeles, California, USA, in April 2016. Engineers, physicians, scientists, educators, students, industry, military, and futurists participated in its creative mix of unorthodox thinking and validated investigation. The topics covered include medical simulation and modeling, imaging and visualization, robotics, haptics, sensors, physical and mental rehabilitation tools, and more. Providing an overview of the state-of-the-art, this book will interest all those involved in medical VR and in innovative healthcare, generally.

Emotion and Stress Recognition Related Sensors and Machine Learning Technologies Springer Nature
This book presents statistical processes for health care delivery and covers new ideas, methods and

technologies used to improve health care organizations. It gathers the proceedings of the Third International Conference on Health Care Systems Engineering (HCSE 2017), which took place in Florence, Italy from May 29 to 31, 2017. The Conference provided a timely opportunity to address operations research and operations management issues in health care delivery systems. Scientists and practitioners discussed new ideas, methods and technologies for improving the operations of health care systems, developed in close collaborations with clinicians. The topics cover a broad spectrum of concrete problems that pose challenges for researchers and practitioners alike: hospital drug logistics, operating theatre management, home care services, modeling, simulation, process mining and data mining in patient care and health care organizations.

Kinect in Motion – Audio and Visual Tracking by Example

Springer Nature

This book focuses on new sensing technologies, measurement techniques, and their applications in medicine and healthcare. Specifically, the book briefly describes the potential of smart sensors in the aforementioned applications, collecting 24 articles selected and published in the Special Issue “Smart Sensors for

Healthcare and Medical Applications". We proposed this topic, being aware of the pivotal role that smart sensors can play in the improvement of healthcare services in both acute and chronic conditions as well as in prevention for a healthy life and active aging. The articles selected in this book cover a variety of topics related to the design, validation, and application of smart sensors to healthcare.

Advances in Visual Computing Springer

This is the quick, visual, one-stop tutorial for everyone who wants to get maximum fun and entertainment out of their Xbox 360, Xbox Live, and Kinect controller. Gaming experts Christina and Bill Loguidice cover everything Xbox has to offer, uncovering cool features and tools most users won't ever discover on their own. You learn how to get started with Xbox 360; fast-network your Xbox 360s; run the media content in your Windows PCs; personalize your Xbox experiences; find great stuff on Microsoft's Game, Video, and Music Marketplaces; get acquainted with your Xbox friends and communities; get to know the Kinect controller and Hub; and find great Kinect games and get better at playing them. This book's concise, step-by-step instructions link to callouts on Xbox screen captures that show you exactly what to do. Tips and Notes help you discover powerful new techniques and shortcuts, and Help features guide you past common problems. This book is designed for all 50,000,000 Xbox 360 owners: from those who've

just purchased their first system, to those diving headfirst into Kinect gaming, to millions of Xbox Live subscribers who want to get even more out of Microsoft's online services.

Smart Sensors for Healthcare and Medical Applications Springer This proceedings brings together one hundred and fifty two selected papers presented at the 2015 International Conference on Mechanics and Mechatronics (ICMM 2015), which was held in Changsha, Hunan, China, during March 13-15 2015.ICMM 2015 focuses on 7 main areas -- Applied Mechanics, Mechanical Engineering, Instrumentation, Automation, and Robotics, Computer Information Processing, and Civil Engineering. Experts in this field from eight countries, including China, South Korea, Taiwan, Japan, Malaysia, Hong Kong, Indonesia and Saudi Arabia, contributed to the collection of research results and developments.ICMM 2015 provides an excellent international platform for researchers to share their knowledge and results in theory, methodology and applications of Applied Mechanics and Mechatronics. All papers selected to this proceedings were subject to a rigorous peer-review process by at least two independent peers. The papers are selected based on innovation, organization, and quality of presentation.

Advances in Physical Ergonomics and Human Factors: Part I MDPI This book contains a selection of articles from The 2013 World Conference on Information

Systems and Technologies (WorldCIST'13), a global forum for researchers and practitioners to present and discuss the most recent innovations, trends, results, experiences and concerns in the several perspectives of Information Systems and Technologies. The main topics covered are: Information and Knowledge Management; Organizational Models and Information Systems; Intelligent and Decision Support Systems; Software Systems, Architectures, Applications and Tools; Computer Networks, Mobility and Pervasive Systems; Radar Technologies; and Human-Computer Interaction.

Universal Access in Human–Computer Interaction. Designing Novel Interactions

Springer Nature

This two volume proceedings, LNCS 13445 and 13446, constitutes the refereed proceedings of the 9th International Conference on Augmented Reality, Virtual Reality, and Computer Graphics, XR Salento 2022, held in Lecce, Italy, July 6–8, 2022. Due to COVID-19 pandemic the conference was held as a hybrid conference. The 42 full and 16 short papers were carefully reviewed and selected from 84 submissions. The papers discuss key issues, approaches, ideas, open problems, innovative applications and trends in virtual reality, augmented reality, mixed reality, applications in cultural heritage, in medicine, in education, and in industry.

Advances in Ergonomics of

Manufacturing: Managing the Enterprise of the Future Springer Science & Business Media

The discipline of human factors and ergonomics (HF/E) is concerned with the design of products, process, services, and work systems to assure their productive, safe and satisfying use by people. Physical ergonomics involves the design of working environments to fit human physical abilities. By understanding the constraints and capabilities of the human body and mind, we can design products, services and environments that are effective, reliable, safe and comfortable for everyday use. This book focuses on the advances in the physical HF/E, which are a critical aspect in the design of any human-centered technological system. The ideas and practical solutions described in the book are the outcome of dedicated research by academics and practitioners aiming to advance theory and practice in this dynamic and all-encompassing discipline. A thorough understanding of the physical characteristics of a wide range of people is essential in the development of consumer products and systems. Human performance data serve as valuable information to designers and help ensure that the final products will fit the targeted population of end users. Mastering physical ergonomics and safety engineering concepts is fundamental to the creation of products and systems that people are able to use, avoidance of stresses, and minimization of the risk for accidents.

New Trends in Medical and Service Robots MDPI

This book presents an interdisciplinary selection of cutting-edge research on RGB-D based computer vision. Features: discusses the calibration of color and depth cameras, the reduction of noise on depth

maps and methods for capturing human performance in 3D; reviews a selection of applications which use RGB-D information to reconstruct human figures, evaluate energy consumption and obtain accurate action classification; presents an approach for 3D object retrieval and for the reconstruction of gas flow from multiple Kinect cameras; describes an RGB-D computer vision system designed to assist the visually impaired and another for smart-environment sensing to assist elderly and disabled people; examines the effective features that characterize static hand poses and introduces a unified framework to enforce both temporal and spatial constraints for hand parsing; proposes a new classifier architecture for real-time hand pose recognition and a novel hand segmentation and gesture recognition system.

Sustainable Hydraulics in the Era of Global Change

Springer

This new volume, Advances in Sorghum Science: Botany, Production, and Crop Improvement, provides an easy-to-read and comprehensive treatment of the sorghum crop. With the world's production of sorghum topping over 55 million tons annually, sorghum is very important for as a staple dietary food for much of the world as a rich source of micronutrients and macronutrients, as an ingredient in the processing of many foods, and as a source of fodder. The authors of the volume provide detailed information on sorghum from several disciplines and bring together recent literature under one umbrella. The book covers the various aspects of the sorghum crop, starting

from its origin, to its domestication, and going on to biotechnology of the crop. It describes sorghum production, ideotypes, botany, physiology, abiotic and biotic factors affecting crop productivity, methods of cultivation, postharvest management, grain quality analysis for food processing, improvement of sorghum crop, and research advancements in breeding and biotechnology. This valuable resource will be helpful to researchers and scientists working to understand the relation between various disciplines and the implementation of new methods and technology for crop improvement and higher productivity. The multi-pronged approach will help to enable the increase sorghum productivity to meet the world's growing demands.

Medicine Meets Virtual Reality 22 MDPI

This book constitutes the proceedings of the 5th International Workshop on Human Behavior Understanding, HBU 2014, held in Zurich, Switzerland, in September 2014. The 9 full papers presented in this volume were carefully reviewed and selected from 18 submissions. They are organized in topical sections named: social signals; face and affect; motion analysis; and multiparty interactions.

Computer Vision and Machine Learning with RGB-D Sensors MDPI

In an increasingly urbanized world, water systems must be designed and operated according to innovative standards in terms of climate adaptation, resource efficiency, sustainability and resilience. This grand challenge triggers unprecedented questions for hydro-environment research and engineering. Shifts in paradigms are urgently needed in the way we view (circular) water systems, water as a

renewable energy (production and storage), risk management of floods, storms, sea level rise and droughts, as well as their consequences on water quality, morphodynamics (e.g., reservoir sedimentation, scour, sustainability of deltas) and the environment. Addressing these issues requires a deep understanding of basic processes in fluid mechanics, heat and mass transfer, surface and groundwater flow, among others. Sustainable Hydraulics in the Era of Global Change: Advances in Water Engineering and Research unveils latest research achievements and innovations which were presented at the 4th European Congress of the International Association for Hydro-environment engineering and Research (IAHR), hold in Liege (Belgium). These new developments are based on state-of-the-art modelling technologies which are supported by the exponentially growing availability of data and computation power. Innovative synergies emerge between numerical modelling and experimental techniques, as well as field monitoring. Unique opportunities are created by multi-, inter- and trans-disciplinary approaches, bridging hydro-environment engineering and research with climate sciences, ecology, spatial planning, sociology. Sustainable Hydraulics in the Era of Global Change: Advances in Water Engineering and Research will serve as a reference for postgraduate, professionals and decision-makers involved in various water-related sectors, such

as hydraulic engineering, fluvial hydraulics, coastal engineering, water resources management, and renewable energy.

Low-Cost Sensors and Biological Signals Pearson Education

This book constitutes the thoroughly refereed post-conference proceedings of the 9th International Conference on Mobile Computing, Applications, and Services (MobiCASE 2015) held in Osaka, Japan, February 28 – March 2, 2018. The 10 full papers and 13 demo/ poster papers were carefully reviewed and selected from 35 submissions. The conference papers are covering intelligent caching; activity recognition and crowdsourcing; mobile frameworks; middleware; interactive applications; and mobility.

Xbox One CRC Press

Microsoft Manual of StylePearson Education