

# Kinfu An Open Source Implementation Of Kinect Fusion

With Special Applications for Low- and Middle-income Countries  
 Evaluation of PEPFAR's Contribution (2012-2017) to Rwanda's Human Resources for Health Program  
 18th International Conference, Munich, Germany, October 5-9, 2015, Proceedings, Part I  
 First International Workshop, DATRA 2018 and Third International Workshop, PIPPI 2018, Held in Conjunction with MICCAI 2018, Granada, Spain, September 16, 2018, Proceedings  
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 Person Re-Identification

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## STEWART JOSE

**With Special Applications for Low- and Middle-income Countries** Academic Press

The two-volume set LNCS 8325 and 8326 constitutes the thoroughly refereed proceedings of the 20th Anniversary International Conference on Multimedia Modeling, MMM 2014, held in Dublin, Ireland, in January 2014. The 46 revised regular papers, 11 short papers and 9 demonstration papers were carefully reviewed and selected from 176 submissions. 28 special session papers and 6 papers from Video Browser Showdown workshop are also included in the proceedings. The papers included in these two volumes cover a diverse range of topics including: applications of multimedia modelling, interactive retrieval, image and video collections, 3D and augmented reality, temporal analysis of multimedia content, compression and streaming. Special session papers cover the following topics: Mediadrom: artful post-TV scenarios, MM analysis for surveillance video and security applications, 3D multimedia computing and modeling, social geo-media analytics and retrieval, multimedia hyperlinking and retrieval.

**Evaluation of PEPFAR's Contribution (2012-2017) to Rwanda's Human Resources for Health Program** World Bank Publications

The three-volume set LNCS 9349, 9350, and 9351 constitutes the refereed proceedings of the 18th International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI 2015, held in Munich, Germany, in October 2015. Based on rigorous peer reviews, the program committee carefully selected 263 revised papers from 810 submissions for presentation in three volumes. The papers have been organized

in the following topical sections: quantitative image analysis I: segmentation and measurement; computer-aided diagnosis: machine learning; computer-aided diagnosis: automation; quantitative image analysis II: classification, detection, features, and morphology; advanced MRI: diffusion, fMRI, DCE; quantitative image analysis III: motion, deformation, development and degeneration; quantitative image analysis IV: microscopy, fluorescence and histological imagery; registration: method and advanced applications; reconstruction, image formation, advanced acquisition - computational imaging; modelling and simulation for diagnosis and interventional planning; computer-assisted and image-guided interventions. *18th International Conference, Munich, Germany, October 5-9, 2015, Proceedings, Part I* Addison-Wesley Professional  
 This book is open access under a CC BY license. This book explores the impact that professional volunteers have on the low resource countries they choose to spend time in. Whilst individual volunteering may be of immediate benefit to individual patients, this intervention may have detrimental effects on local health systems; distorting labour markets, accentuating dependencies and creating opportunities for corruption. Improved volunteer deployment may avoid these risks and present opportunities for sustainable systems change. The empirical research presented in this book stems from a specific volunteering intervention funded by the Tropical Health Education Trust and focused on improving maternal and newborn health in Uganda. However, important opportunities exist for policy transfer to other contexts.

**First International Workshop, DATRA 2018 and Third International Workshop, PIPPI 2018, Held in Conjunction with MICCAI 2018, Granada, Spain, September 16, 2018, Proceedings** Springer

This book explores Dental Stem Cell (DSC) biology, from a review of basic concepts for cell culture, to isolation, self-renewal, multipotency and

differentiation, regulation by molecular medicine, and prospective research areas for regenerative medicine. The first seven chapters delve into basic DSC properties, vital signaling pathways involved in differentiation, pluripotency, iPS cell development from DSCs, and genetic engineering approaches of DSCs in accordance with the current literature. A comprehensive review of possible clinical applications and in vitro/in vivo studies follows, illustrating the future of DSC research for in the tissue engineering field. The text also discusses the political, ethical, social, and legal ramifications of the use of dental stem cells. Expertly authored and drawing from a multitude of international perspectives, Dental Stem Cells is an invaluable addition to Springer's Stem Cell Biology and Regenerative Medicine series. It is essential reading for advanced graduate students, basic researchers, and clinical investigators in the fields of stem cell therapy, biological sciences of dentistry, and regenerative medicine.

*GPU Gems 3* Pearson Higher Ed

This monograph describes a new family of algorithms for the simultaneous localization and mapping (SLAM) problem in robotics, called FastSLAM. The FastSLAM-type algorithms have enabled robots to acquire maps of unprecedented size and accuracy, in a number of robot application domains and have been successfully applied in different dynamic environments, including a solution to the problem of people tracking.

**11th International Conference, ICIAR 2014, Vilamoura, Portugal, October 22-24, 2014, Proceedings, Part II** Springer

The two volumes LNCS 8814 and 8815 constitute the thoroughly refereed proceedings of the 11th International Conference on Image Analysis and Recognition, ICIAR 2014, held in Vilamoura, Portugal, in October 2014. The 107 revised full papers presented were carefully reviewed and selected from 177 submissions. The papers are organized in the following topical sections: image representation and models; sparse representation; image restoration and enhancement; feature detection and image segmentation; classification and learning methods; document image analysis; image and video retrieval; remote sensing; applications; action, gestures and audio-visual recognition; biometrics; medical image processing and analysis; medical image segmentation; computer-aided diagnosis; retinal image analysis; 3D imaging; motion analysis and tracking; and robot vision.

*Evaluation of PEPFAR* National Academies Press

The Human Resources for Health Crisis in Zambia' is part of the World Bank Working Paper series. These papers are published to communicate the results of the Bank's ongoing research and to stimulate public discussion. Despite reporting some health gains since the 1990s, health outcomes remain poor in Zambia and it will be very challenging to achieve the health-related Millennium Development Goals by 2015. The Government of Zambia recognizes that the improvement of child and maternal health and the reduction in mortality from HIV/AIDs and malaria require better access to an appropriate number of wellperforming health workers or human resources for health (HRH). This paper compiles recent evidence on the Zambian health labor market and provides some baseline information on HRH to support the government address its HRH challenges. In addition, the paper analyzes the available evidence on the national health labor market to better understand the number, distribution, and performance of HRH in Zambia. The paper also explains HRH outcomes by mapping, assessing, and analyzing pre-service education and labor market dynamics and well as the core factors influencing these dynamics. This working paper was produced as part of the World Bank's Africa Region Health Systems for Outcomes (HSO) Program. The Program, funded by the World Bank, the Government of Norway, the Government of the United Kingdom, and the Global Alliance for Vaccines and Immunization (GAVI), focuses on strengthening health systems in Africa to reach the poor and achieve tangible results related to Health, Nutrition, and Population. The main pillars and focus of the program center on knowledge and capacity building related to Human Resources for Health, Health Financing, Pharmaceuticals, Governance and Service Delivery, and Infrastructure and ICT. More information as well as all the products produced under the HSO program can be found online at [www.worldbank.org/hso](http://www.worldbank.org/hso).

*VIPIIMAGE 2013* Springer Science & Business Media

This book presents novel and advanced topics in Medical Image Processing and Computational Vision in order to solidify knowledge in the related fields and define their key stakeholders. It contains extended versions of selected papers presented in ViPIIMAGE 2013 – IV International ECCOMAS Thematic Conference on Computational Vision and Medical Image, which took place in Funchal, Madeira, Portugal, 14-16 October 2013. The twenty-two chapters were written by invited experts of international recognition and address important issues in medical image processing and computational vision, including: 3D vision, 3D visualization, colour quantisation, continuum mechanics, data fusion, data mining, face recognition, GPU parallelisation, image acquisition and reconstruction, image and video analysis, image clustering, image registration, image restoring, image segmentation, machine learning, modelling and simulation, object detection, object recognition, object tracking, optical flow, pattern recognition, pose estimation, and texture analysis. Different applications are addressed and described throughout the book, comprising: biomechanical studies, bio-structure modelling and simulation, bone characterization, cell tracking, computer-aided diagnosis, dental imaging, face recognition, hand gestures detection and recognition, human motion analysis, human-computer interaction, image and video understanding, image processing, image segmentation, object and scene reconstruction, object recognition and tracking, remote robot control, and surgery planning. This volume is of use to researchers, students, practitioners and manufacturers from several multidisciplinary fields, such as artificial intelligence, bioengineering, biology, biomechanics, computational mechanics, computational vision, computer graphics, computer science, computer vision, human motion, imagiology, machine learning, machine vision, mathematics, medical image, medicine, pattern recognition, and physics.

*Crossing the Global Quality Chasm* Springer

This text offers a structured approach to principles of auditing using International Standards on Auditing as its basis. Written by a team of influential professional auditors with a wealth of teaching experience this book provides a real world perspective on current auditing practices with coverage of cutting edge developments and techniques.

**The Impact of Nutrition and Statins on Cardiovascular Diseases** Springer

This book constitutes the refereed joint proceedings of the First International Workshop on Data Driven Treatment Response Assessment, DATRA 2018 and the Third International Workshop on Preterm, Perinatal and Paediatric Image Analysis, PIPPI 2018, held in conjunction with the 21st International Conference on Medical Imaging and Computer-Assisted Intervention, MICCAI 2018, in Granada, Spain, in September 2018. The 5 full papers presented at DATRA 2018 and the 12 full papers presented at PIPPI 2018 were carefully reviewed and selected. The DATRA papers cover a wide range of exploring pattern recognition technologies for tackling clinical issues related to the follow-up analysis of medical data with focus on

malignancy progression analysis, computer-aided models of treatment response, and anomaly detection in recovery feedback. The PIPPI papers cover topics of advanced image analysis approaches focused on the analysis of growth and development in the fetal, infant and paediatric period.

**New Development in Robot Vision** World Health Organization

Based on the International Auditing Standards (IAS) established by the International Federation of Accountants (IFAC), this text presents a step-by-step chapter format on how to perform an audit.

**An Outcome of Health Worker Entry, Exit, and Performance Within the National Health Labor Market** National Academies Press

In 2015, building on the advances of the Millennium Development Goals, the United Nations adopted Sustainable Development Goals that include an explicit commitment to achieve universal health coverage by 2030. However, enormous gaps remain between what is achievable in human health and where global health stands today, and progress has been both incomplete and unevenly distributed. In order to meet this goal, a deliberate and comprehensive effort is needed to improve the quality of health care services globally. Crossing the Global Quality Chasm: Improving Health Care Worldwide focuses on one particular shortfall in health care affecting global populations: defects in the quality of care. This study reviews the available evidence on the quality of care worldwide and makes recommendations to improve health care quality globally while expanding access to preventive and therapeutic services, with a focus in low-resource areas. Crossing the Global Quality Chasm emphasizes the organization and delivery of safe and effective care at the patient/provider interface. This study explores issues of access to services and commodities, effectiveness, safety, efficiency, and equity. Focusing on front line service delivery that can directly impact health outcomes for individuals and populations, this book will be an essential guide for key stakeholders, governments, donors, health systems, and others involved in health care.

**20th Anniversary International Conference, MMM 2014, Dublin, Ireland, January 6-10, 2014, Proceedings, Part I** Springer

Sub-Saharan Africa has only 12 percent of the global population, yet this region accounts for 50 percent of child deaths, more than 60 percent of maternal deaths, 85 percent of malaria cases, and close to 67 percent of people living with HIV. Sub-Saharan Africa, however, has the lowest number of health workers in the world-significantly fewer than in South Asia, which is at a comparable level of economic development. The Labor Market for Health Workers in Africa uses the analytical tools of labor markets to examine the human resource crisis in health from an economic perspective. Africa's labor markets are complex, with resources coming from governments, donors, the private sector, and households. Low numbers of health workers and poor understanding of labor market dynamics are major impediments to improving health service delivery. Yet some countries in the region have developed innovative solutions with new approaches to creating a robust health workforce that can respond to the continent's health challenges. As Africa grows economically, the invaluable lessons in this book can help build tomorrow's African health systems.

*A New Look at the Crisis* CRC Press

The U.S. government supports programs to combat global HIV/AIDS through an initiative that is known as the President's Emergency Plan for AIDS Relief (PEPFAR). This initiative was originally authorized in the U.S. Leadership Against HIV/AIDS, Tuberculosis, and Malaria Act of 2003 and focused on an emergency response to the HIV/AIDS pandemic to deliver lifesaving care and treatment in low- and middle-income countries (LMICs) with the highest burdens of disease. It was subsequently reauthorized in the Tom Lantos and Henry J. Hyde U.S. Global Leadership Against HIV/AIDS, Tuberculosis, and Malaria Reauthorization Act of 2008 (the Lantos-Hyde Act). Evaluation of PEPFAR makes recommendations for improving the U.S. government's bilateral programs as part of the U.S. response to global HIV/AIDS. The overall aim of this evaluation is a forward-looking approach to track and anticipate the evolution of the U.S. response to global HIV to be positioned to inform the ability of the U.S. government to address key issues under consideration at the time of the report release.

*The Role of Anesthesiology in Global Health* Developments in Medical Image Processing and Computational Vision

In the 1950s, Nobel Prize winner Dr. E. Donnall Thomas was the first to successfully transplant hematopoietic stem cells. Since then, studies on stem cells have evolved and expanded worldwide. There are more than 650,000 scientific publications on stem cells and more than 8000 stem cell clinical trials. This book summarizes types of stem cells, key studies, ongoing trials, and future perspectives. It also includes ethical, formal, and legal aspects to give the reader a comprehensive view of the field.

**11th International Joint Conference, BIOSTEC 2018, Funchal, Madeira, Portugal, January 19-21, 2018, Revised Selected Papers** Humana Press

Many patients who present to district (first-referral) level hospitals require surgical treatment for trauma obstetric abdominal or orthopaedic emergencies. Often surgery cannot be safely postponed to allow their transfer to a secondary or tertiary-level hospital but many district hospitals in developing countries have no specialist surgical teams and are staffed by medical nursing and paramedical personnel who perform a wide range of surgical procedures often with inadequate training. The quality of surgical and acute care is often further constrained by poor facilities inadequate low-technology apparatus and limited supplies of drugs materials and other essentials. The mission of the team responsible for Clinical Procedures in the World Health Organization Department of Essential Health Technologies (EHT) is to promote the quality of clinical care through the identification promotion and standardization of appropriate procedures equipment and materials particularly at district hospital level. WHO/BCT has identified education and training as a particular priority especially for non-specialist practitioners who practise surgery and anaesthesia. It has therefore developed Surgical Care at the District Hospital as a practical resource for individual practitioners and for use in undergraduate and postgraduate programmes in-service training and continuing medical education programmes. The manual is a successor of three earlier publications that are widely used throughout the world and that remain important reference texts: General Surgery at the District Hospital (WHO 1988) Surgery at the District Hospital: Obstetrics Gynaecology Orthopaedics and Traumatology (WHO 1991) Anaesthesia at the District Hospital (WHO 1988; second edition 2000). This new manual draws together material from these three publications into a single volume which includes new and updated material as well as material from Managing Complications in Pregnancy and Childbirth: a Guide for Midwives and Doctors (WHO 2000). Link to the full training tool kit CD-ROM: WHO Integrated Management for Emergency and Essential Surgical Care (IMEESC) Toolkit CD-ROM Surgical Care at the District Hospital is a compact but comprehensive outline of modern surgical care focusing on fundamental precepts and practical techniques. The illustrations are clear instructive and appropriate. The authors are to be commended on a much improved new edition. Barry J. Gainor MD Chairman Health Volunteers Overseas Professor of Orthopedic Surgery University of Missouri-Columbia ...Indispensable manual for outlying health centres. - International

Federation of Surgical Colleges

**A Labor Market Assessment of Nurses and Physicians in Saudi Arabia** World Bank Publications

This book constitutes the thoroughly refereed post-conference proceedings of the 11th International Joint Conference on Biomedical Engineering Systems and Technologies, BIOSTEC 2018, held in Funchal, Madeira, Portugal, in January 2018. The 25 revised full papers presented were carefully reviewed and selected from a total of 299 submissions. The papers are organized in topical sections on biomedical electronics and devices; bioimaging; bioinformatics models, methods and algorithms; health informatics.

**Data Driven Treatment Response Assessment and Preterm, Perinatal, and Paediatric Image Analysis** McGraw-Hill/Irwin

The second edition of this handbook provides a state-of-the-art overview on the various aspects in the rapidly developing field of robotics. Reaching for the human frontier, robotics is vigorously engaged in the growing challenges of new emerging domains. Interacting, exploring, and working with humans, the new generation of robots will increasingly touch people and their lives. The credible prospect of practical robots among humans is the result of the scientific endeavour of a half a century of robotic developments that established robotics as a modern scientific discipline. The ongoing vibrant expansion and strong growth of the field during the last decade has fueled this second edition of the Springer Handbook of Robotics. The first edition of the handbook soon became a landmark in robotics publishing and won the American Association of Publishers PROSE Award for Excellence in Physical Sciences & Mathematics as well as the organization's Award for Engineering & Technology. The second edition of the handbook, edited by

two internationally renowned scientists with the support of an outstanding team of seven part editors and more than 200 authors, continues to be an authoritative reference for robotics researchers, newcomers to the field, and scholars from related disciplines. The contents have been restructured to achieve four main objectives: the enlargement of foundational topics for robotics, the enlightenment of design of various types of robotic systems, the extension of the treatment on robots moving in the environment, and the enrichment of advanced robotics applications. Further to an extensive update, fifteen new chapters have been introduced on emerging topics, and a new generation of authors have joined the handbook's team. A novel addition to the second edition is a comprehensive collection of multimedia references to more than 700 videos, which bring valuable insight into the contents. The videos can be viewed directly augmented into the text with a smartphone or tablet using a unique and specially designed app. Springer

Handbook of Robotics Multimedia Extension Portal: <http://handbookofrobotics.org/>

*Human Security in Disease and Disaster* Springer

Developments in Medical Image Processing and Computational Vision Springer

Migration and Structural Transformation World Bank Publications

This handbook offers health managers, researchers and policy makers a comprehensive and standard reference for monitoring and evaluating human resources for health. It brings together an analytical framework with strategy options for improving the health workforce information and evidence base, as well as country experiences to highlight approaches that have worked. It is a joint publication of the World Health Organization, World Bank and United States Agency for International Development.--Publisher's description.

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