

Deeper Understanding Faster Calculation Guo Yufeng

Proceedings of the 23rd Pacific Basin Nuclear Conference, Volume 2 Renewable Energy
Microgeneration Systems 2013 International Conference on Computer Science and Artificial
Intelligence Electrical Engineering and Control Data Science Dynamic Systems and
Applications Acid Gas Injection and Related Technologies Computer Holography Discrete and
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Electrical, Control and Automation ICECA 2014 JJAP Physics Briefs Proceedings
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crop improvement and production Proceedings of the International Conference on Fast
Breeder Systems Mathematical Reviews Japanese Journal of Applied Physics Canadian Journal
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this is the second in a series of three volumes of proceedings of the 23rd pacific basin nuclear
conference pbnc 2022 which was held by chinese nuclear society as one in the most
important and influential conference series of nuclear science and technology the 23rd pbnc
was held in beijing and chengdu china in 2022 with the theme nuclear innovation for zero
carbon future for taking solid steps toward the goals of achieving peak carbon emissions and
carbon neutrality future oriented nuclear energy should be developed in an innovative way
for meeting global energy demands and coordinating the deployment mechanism it brought
together outstanding nuclear scientists and technical experts senior industry executives
senior government officials and international energy organization leaders from all across the
world the proceedings highlight the latest scientific technological and industrial advances in
nuclear safety and security operations and maintenance new builds waste management spent
fuel decommissioning supply capability and quality management fuel cycles digital reactor
and new technology innovative reactors and new applications irradiation effects public
acceptance and education economics medical and biological applications and also the student
program that intends to raise students awareness in fully engaging in this career and keep
them updated on the current situation and future trends these proceedings are not only a

good summary of the frontiers in nuclear science and technology but also a useful guideline for the researchers engineers and graduate students

renewable energy microgeneration systems presents the latest technology advances in small scale energy generation electricity and heat in the context of low medium voltage level electric power distribution networks with a focus on scientific innovations of the methodologies approaches and algorithms in enabling efficient and secure operation of microgeneration systems this book also analyzes the current understanding of motivations and barriers affecting microgeneration adoption with the aim of identifying opportunities for improving the field deployment considering the recent advances of theories and implementations in modeling design planning and management of different forms of microgeneration systems this reference provides applied researchers in the field of electrical engineering and renewable micro generation incredible insights into microgeneration systems technologies and the potential for new technologies and markets provides modeling and optimization methods and techniques for micro generation systems covers multidisciplinary content providing an opportunity for different stakeholders in various engineering fields includes recent research advances in the field with a focus on real case studies and policy

the main objective of iccsai2013 is to provide a platform for the presentation of top and latest research results in global scientific areas the conference aims to provide a high level international forum for researcher engineers and practitioners to present and discuss recent advances and new techniques in computer science and artificial intelligence it also serves to foster communications among researcher engineers and practitioners working in a common interest in improving computer science artificial intelligence and the related fields we have received 325 numbers of papers through call for paper out of which 94 numbers of papers were accepted for publication in the conference proceedings through double blind review process the conference is designed to stimulate the young minds including research scholars academicians and practitioners to contribute their ideas thoughts and nobility in these two disciplines

this volume includes extended and revised versions of a set of selected papers from the international conference on electric and electronics eeic 2011 held on june 20 22 2011 which is jointly organized by nanchang university springer and ieee ias nanchang chapter the objective of eeic 2011 volume 2 is to provide a major interdisciplinary forum for the presentation of new approaches from electrical engineering and controls to foster integration of the latest developments in scientific research 133 related topic papers were selected into this volume all the papers were reviewed by 2 program committee members and selected by the volume editor prof min zhu we hope every participant can have a good opportunity to exchange their research ideas and results and to discuss the state of the art in the areas of the electrical engineering and controls

this three volume set ccis 2213 2215 constitutes the refereed proceedings of the 10th international conference of pioneering computer scientists engineers and educators icpcsee 2024 held in macau china during september 27 30 2024 the 74 full papers and 3 short papers presented in these three volumes were carefully reviewed and selected from 249 submissions the papers are organized in the following topical sections part i novel methods or tools used in

big data and its applications applications of data science part ii education research methods and materials for data science and engine data security and privacy big data mining and knowledge management part iii infrastructure for data science social media and recommendation system multimedia data management and analysis

large producers have started to use gas injection for their applications and in the future it is predicted that this trend will increase this book is the most comprehensive and up to date coverage of this technique which is rapidly increasing in importance and usage in the natural gas and petroleum industry the authors a group of the most well known and respected in the field discuss in a series of papers this technology and related technologies as to how they can best be used by industry to creating a safer cleaner environment

this book describes algorithms and hardware implementations of computer holography especially in terms of fast calculation it summarizes the basics of holography and computer holography and describes how conventional diffraction calculations play a central role numerical implementations by actual codes will also be discussed this book will explain new fast diffraction calculations such as scaled scalar diffraction computer holography will also explain acceleration algorithms for computer generated hologram cgh generation and digital holography with 3d objects composed of point clouds using look up table lut based algorithms and a wave front recording plane 3d objects composed of polygons using tilted plane diffraction expressed by multi view images and rgb d images will be explained in this book digital holography including inline off axis gabor digital holography and phase shift digital holography will also be explored this book introduces applications of computer holography including phase retrieval algorithm holographic memory holographic projection and deep learning in computer holography while explaining hardware implementations for computer holography recently several parallel processors have been released for example multi core cpu gpu xeon phi and fpga readers will learn how to apply algorithms to these processors features provides an introduction of the basics of holography and computer holography summarizes the latest advancements in computer generated holograms showcases the latest researchers of digital holography discusses fast cgh algorithms and diffraction calculations and their actual codes includes hardware implementation for computer holography and its actual codes and quasi codes

international conference on electrical control and automation iceca 2014 will be held from february 22nd to 23rd 2014 in shanghai china ceca 2014 will bring together top researchers from asian pacific areas north america europe and around the world to exchange research results and address open issues in all aspects of electrical control and automation the iceca 2014 welcomes the submission of original full research papers short papers posters workshop proposals tutorials and industrial professional reports

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