

Imu Previous Year Paper

These proceedings present selected research papers from CSNC2017, held during 23th-25th May in Shanghai, China. The theme of CSNC2017 is Positioning, Connecting All. These papers discuss the technologies and applications of the Global Navigation Satellite System (GNSS), and the latest progress made in the China BeiDou System (BDS) especially. They are divided into 12 topics to match the corresponding sessions in CSNC2017, which broadly covered key topics in GNSS. Readers can learn about the BDS and keep abreast of the latest advances in GNSS techniques and applications. This book describes the range of technologies that have been developed for diagnosing and assessing Parkinson's disease patients. Also presenting the latest studies providing insights into the changes to the neural system in Parkinson's disease, it is a valuable resource for neurologists, general practitioners and nurses. Further, the book highlights areas that require more research, and as such will appeal to researchers, biomedical engineers and clinicians.

IMU CET as you know is an exam for taking admission in to the maritime colleges. IMU Common Entrance Test (CET), which is also known as IMU CET, is conducted by Indian Maritime University, a government recognized University.

The University conducts the common entrance test for admission in its undergraduate level program in the field of maritime engineering. PCM (Physics, Chemistry and Math) has important role in IMU CET and all competitive exams. Even a single question can change your rank, life and future. The questions on PCM asked in various competitive examinations aren't easy to solve without having enough practice of the concepts on which the same are based. The book is especially helpful to students who are preparing for IMU CET exam. While designing this book, the format and the nature of the examination have been taken into consideration. The book can also be used by students who are preparing for other competitive examinations.

This book presents the outcomes of the 12th International Workshop on the Algorithmic Foundations of Robotics (WAFR 2016). WAFR is a prestigious, single-track, biennial international meeting devoted to recent advances in algorithmic problems in robotics. Robot algorithms are an important building block of robotic systems and are used to process inputs from users and sensors, perceive and build models of the environment, plan low-level motions and high-level tasks, control robotic actuators, and coordinate actions across multiple systems. However, developing and analyzing these algorithms raises complex

challenges, both theoretical and practical. Advances in the algorithmic foundations of robotics have applications to manufacturing, medicine, distributed robotics, human-robot interaction, intelligent prosthetics, computer animation, computational biology, and many other areas. The 2016 edition of WAFR went back to its roots and was held in San Francisco, California – the city where the very first WAFR was held in 1994. Organized by Pieter Abbeel, Kostas Bekris, Ken Goldberg, and Lauren Miller, WAFR 2016 featured keynote talks by John Canny on “A Guided Tour of Computer Vision, Robotics, Algebra, and HCI,” Erik Demaine on “Replicators, Transformers, and Robot Swarms: Science Fiction through Geometric Algorithms,” Dan Halperin on “From Piano Movers to Piano Printers: Computing and Using Minkowski Sums,” and by Lydia Kavraki on “20 Years of Sampling Robot Motion.” Furthermore, it included an Open Problems Session organized by Ron Alterovitz, Florian Pokorny, and Jur van den Berg. There were 58 paper presentations during the three-day event. The organizers would like to thank the authors for their work and contributions, the reviewers for ensuring the high quality of the meeting, the WAFR Steering Committee led by Nancy Amato as well as WAFR’s fiscal sponsor, the International Federation of Robotics Research (IFRR), led by Oussama Khatib and Henrik

Christensen. WAFR 2016 was an enjoyable and memorable event.

Volume 1

Mobile Robots Navigation

16th Annual Conference, TAROS 2015, Liverpool, UK, September 8-10, 2015, Proceedings

Proceedings of the International Conference on Advanced Mechanical Engineering, Automation, and Sustainable Development 2021 (AMAS2021)
ICCCBE 2020

Internet of Vehicles. Technologies and Services
Toward Smart Cities

Proceedings of the Twelfth Workshop on the Algorithmic Foundations of Robotics

The two first CEAS (Council of European Aerospace Societies) Specialist Conferences on Guidance, Navigation and Control (CEAS EuroGNC) were held in Munich, Germany in 2011 and in Delft, The Netherlands in 2013. ONERA The French Aerospace Lab, ISAE (Institut Supérieur de l'Aéronautique et de l'Espace) and ENAC (Ecole Nationale de l'Aviation Civile) accepted the challenge of jointly organizing the 3rd edition. The conference aims at promoting new advances in aerospace GNC theory and technologies for enhancing safety, survivability, efficiency, performance, autonomy and intelligence of aerospace systems. It represents a unique forum for communication and information exchange between specialists in the fields of GNC systems design and operation, including air traffic

management. This book contains the forty best papers and gives an interesting snapshot of the latest advances over the following topics: I Control theory, analysis, and design I Novel navigation, estimation, and tracking methods I Aircraft, spacecraft, missile and UAV guidance, navigation, and control I Flight testing and experimental results I Intelligent control in aerospace applications I Aerospace robotics and unmanned/autonomous systems I Sensor systems for guidance, navigation and control I Guidance, navigation, and control concepts in air traffic control systems For the 3rd CEAS Specialist Conference on Guidance, Navigation and Control the International Program Committee conducted a formal review process. Each paper was reviewed in compliance with standard journal practice by at least two independent and anonymous reviewers. The papers published in this book were selected from the conference proceedings based on the results and recommendations from the reviewers.

At its meeting in April 1990 at the University of Cambridge, the Executive Committee of the International Mathematical Union (IMU) decided that the largely unorganized archives of the Union should be properly arranged and catalogued.

Simultaneously, the Executive Committee expressed the wish that a history of the Union should be written [1]. As Secretary of the Union, I had proposed that these issues be discussed at the Cambridge meeting, but without having had in mind any

personal role in the practical execution of such projects. At that time, the papers of the IMU were stored in Zurich, at the Eidgenossische Technische Hochschule, and I saw no reason why they could not remain there. At about this time, Professor K. Chandrasekharan produced a handwritten article titled "The Prehistory of the International Mathematical Union" [2], and it seemed to me that this might serve as the beginning of a more comprehensive history. I had first thought that Tuulikki MakeUiinen, who during eight years as the Office Secretary of the IMU had become well acquainted with the Union, would do the arranging of the archives in Zurich. She had a preliminary look at the material there, but it soon became clear that the amount of work required to bring order to it was too great to be accomplished in a few short visits from Helsinki. The total volume of material was formidable.

The book focuses on new theoretical results and techniques in the field of intelligent systems and control. It provides in-depth studies on a number of major topics such as Multi-Agent Systems, Complex Networks, Intelligent Robots, Complex System Theory and Swarm Behavior, Event-Triggered Control and Data-Driven Control, Robust and Adaptive Control, Big Data and Brain Science, Process Control, Intelligent Sensor and Detection Technology, Deep learning and Learning Control Guidance, Navigation and Control of Flight Vehicles and so on. Given its scope, the book will benefit all

researchers, engineers, and graduate students who want to learn about cutting-edge advances in intelligent systems, intelligent control, and artificial intelligence.

This book constitutes the refereed proceedings of the 16th Annual Conference on Towards Autonomous Robotics, TAROS 2015, held in Liverpool UK, in September 2015. The 16 revised full papers presented together with 18 short papers were carefully reviewed and selected from 59 submissions. The overall program covers various aspects of robotics, including navigation, planning, sensing and perception, flying and swarm robots, ethics, humanoid robotics, human-robot interaction, and social robotics.

Imu CET (Physics-Chemistry-Math) Multiple-Choice-Question-Bank

Intelligent Systems

Proceedings of 2021 Chinese Intelligent Systems Conference

Plumbers, Gas and Steam Fitters Journal

Global Radical Islamist Insurgency: AL QAEDA AND ISLAMIC STATE NETWORKS FOCUS

Algorithmic Foundations of Robotics XII

China Satellite Navigation Conference (CSNC 2020) Proceedings presents selected research papers from CSNC 2020 held during 22nd-25th November in Chengdu, China. These papers discuss the technologies and applications of the Global Navigation Satellite System (GNSS), and the latest progress made in the China BeiDou System (BDS) especially. They are divided into 13

topics to match the corresponding sessions in CSNC2020, which broadly covered key topics in GNSS. Readers can learn about the BDS and keep abreast of the latest advances in GNSS techniques and applications.

This book constitutes the proceedings of the 6th International Conference on the Internet of Vehicles, IOV 2019, which took place in Kaohsiung, Taiwan, in November 2019. The 23 papers presented in this volume were carefully reviewed and selected from 101 submissions. The papers focus on providing new efficient solutions with digital intervehicular data transfer and overall communications. Yet, IOV is different from Telematics, Vehicle Ad hoc Networks, and Intelligent Transportation, in which vehicles like phones can run within the whole network, and obtain various services by swarm intelligent computing with people, vehicles, and environments.

In recent years, many technologies for gait and posture assessments have emerged. Wearable sensors, active and passive in-house monitors, and many combinations thereof all promise to provide accurate measures of physical activity, gait, and posture parameters. Motivated by market projections for wearable technologies and driven by recent technological innovations in wearable sensors (MEMs, electronic textiles, wireless communications, etc.), wearable health/performance research is growing rapidly and has the potential to transform future healthcare from disease treatment to disease prevention. The objective of this Special Issue is to address and disseminate the latest gait, posture, and activity monitoring systems as well as various mathematical models/methods that characterize mobility functions. This Special Issue focuses on wearable monitoring systems and physical sensors, and its mathematical models can be utilized in varied environments under varied conditions to monitor health and performance.

The presence of mobile robots in diverse scenarios is considerably increasing to perform a variety of tasks. Among them, many

developments have occurred in the fields of ground, underwater and flying robotics. Independent of the environment where they move, navigation is a fundamental ability of mobile robots so that they can autonomously complete high-level tasks. This problem can be efficiently addressed through the following actions: First, it is necessary to perceive the environment in which the robot is to move, and extract some relevant information (mapping problem). Second, the robot must be able to estimate its position and orientation within this environment (localization problem). With this information, a trajectory toward the target points must be planned (path planning), and the vehicle must be reactively guided along this trajectory considering either possible changes or interactions with the environment or with the user (control). Given this information, this book introduces current frameworks in these fields (mapping, localization, path planning, and control) and, in general, approaches to any problem related to the navigation of mobile robots, such as odometry, exploration, obstacle avoidance, and simulation.

Advances in Aerospace Guidance, Navigation and Control
IMU-CET

AIAA Guidance, Navigation and Control Conference, New Orleans, LA, August 11-13, 1997

Mathematics Without Borders

A History of the International Mathematical Union

Selected Papers of the Third CEAS Specialist Conference on Guidance, Navigation and Control held in Toulouse

16th Chinese Conference on Image and Graphics Technologies, IGTA 2021, Beijing, China, June 6-7, 2021, Revised Selected Papers

This book covers various aspects of Geometry and Graphics, from recent achievements on theoretical researches to a wide range of innovative applications, as well as new teaching methodologies and experiences, and

reinterpretations and findings about the masterpieces of the past. It is from the 19th International Conference on Geometry and Graphics, which was held in São Paulo, Brazil. The conference started in 1978 and is promoted by the International Society for Geometry and Graphics, which aims to foster international collaboration and stimulate the scientific research and teaching methodology in the fields of Geometry and Graphics. Organized five topics, which are Theoretical Graphics and Geometry; Applied Geometry and Graphics; Engineering Computer Graphics; Graphics Education and Geometry; Graphics in History, the book is intended for the professionals, academics and researchers in architecture, engineering, industrial design, mathematics and arts involved in the multidisciplinary field. This book constitutes thoroughly revised and selected papers from the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, VISIGRAPP 2018, held in Funchal-Madeira, Portugal, in January 2018. The 18 thoroughly revised and extended papers presented in this volume were carefully reviewed and selected from 317 submissions. The papers contribute to the understanding of relevant trends of current research on computer graphics; human computer interaction; information visualization; computer vision. This anthology—the second of an initial two volume set—specifically covers Small Wars Journal writings on Al Qaeda and the Islamic

State spanning the years 2012-2014. This set is meant to contribute to U.S. security debates focusing on radical Islamist global insurgency by collecting diverse SWJ essays into more easily accessible formats. Small Wars Journal has long been a leader in insurgency and counterinsurgency research and scholarship with an emphasis on practical applications and policy outcomes in furtherance of U.S. global and allied nation strategic interests. The site is able to lay claim to supporting the writings of many COIN (counterinsurgency) practitioners. This includes Dr. David Kilcullen whose early work dating from late 2004 “Countering Global Insurgency” helped to lay much of the conceptual basis focusing on this threat and as a result greatly helped to facilitate the writings that were later incorporated into these Al Qaeda and Islamic State focused anthologies. This volume is composed of sixty-six chapters divided into sections on a) radical Islamist OPFORs (opposition forces) and context and b) U.S.—allied policy and counter radical Islamist strategies. The work also contains a preface by Matt Begert, a foreword by Dr. Daveed Gartenstein-Ross and Bridget Moreng, an introduction, a postscript, an extensive notes section, and editor and contributor biographies on sixty-four individuals as well as an acronyms listing and an initial ‘About SWJ’ and foundation section.

Intelligent autonomous systems are emerged as a key enabler for the creation of a new paradigm of services to humankind, as seen by the recent

***advancement of autonomous cars licensed for driving in our streets, of unmanned aerial and underwater vehicles carrying out hazardous tasks on-site, and of space robots engaged in scientific as well as operational missions, to list only a few. This book aims at serving the researchers and practitioners in related fields with a timely dissemination of the recent progress on intelligent autonomous systems, based on a collection of papers presented at the 12th International Conference on Intelligent Autonomous Systems, held in Jeju, Korea, June 26-29, 2012. With the theme of "Intelligence and Autonomy for the Service to Humankind, the conference has covered such diverse areas as autonomous ground, aerial, and underwater vehicles, intelligent transportation systems, personal/domestic service robots, professional service robots for surgery/rehabilitation, rescue/security and space applications, and intelligent autonomous systems for manufacturing and healthcare. This volume 1 includes contributions devoted to Autonomous Ground Vehicles and Mobile Manipulators, as well as Unmanned Aerial and Underwater Vehicles and Bio-inspired Robotics. Proceedings of the 18th International Conference on Computing in Civil and Building Engineering
Spatial Data and Intelligence
Volume I
ICGG 2020 - Proceedings of the 19th International Conference on Geometry and Graphics***

***10th Brazilian Conference, BRACIS 2021,
Virtual Event, November 29 - December 3, 2021,
Proceedings, Part II***

***China Satellite Navigation Conference (CSNC)
2015 Proceedings: Volume III***

***Proceedings of 2020 International Conference
on Guidance, Navigation and Control, ICGNC
2020, Tianjin, China, October 23-25, 2020***

This book constitutes the proceedings of the First International Conference on Spatial Data and Intelligence, SpatialDI 2020, which was held on May 8-9, 2020. The conference was planned to take place in Shenzhen, China, and changed to an online format due to the COVID-19 pandemic. The 21 full papers presented in this volume were carefully reviewed and selected from 50 submissions. They were organized in topical sections named: traffic management; data science; and visualization science.

This book is a printed edition of the Special Issue "Advances in Multi-Sensor Information Fusion: Theory and Applications 2017" that was published in Sensors

This book presents the proceedings of the 17th Chinese Intelligent Systems Conference, held in Fuzhou, China, on Oct 16-17, 2021. It focuses on new theoretical results and techniques in the field of intelligent systems and control. This is achieved by providing in-depth study on a

number of major topics such as Multi-Agent Systems, Complex Networks, Intelligent Robots, Complex System Theory and Swarm Behavior, Event-Triggered Control and Data-Driven Control, Robust and Adaptive Control, Big Data and Brain Science, Process Control, Intelligent Sensor and Detection Technology, Deep learning and Learning Control Guidance, Navigation and Control of Flight Vehicles and so on. The book is particularly suited for readers who are interested in learning intelligent system and control and artificial intelligence. The book can benefit researchers, engineers, and graduate students.

This book features the latest theoretical results and techniques in the field of guidance, navigation, and control (GNC) of vehicles and aircraft. It covers a range of topics, including, but not limited to, intelligent computing communication and control; new methods of navigation, estimation, and tracking; control of multiple moving objects; manned and autonomous unmanned systems; guidance, navigation, and control of miniature aircraft; and sensor systems for guidance, navigation, and control. Presenting recent advances in the form of illustrations, tables, and text, it also provides detailed information of a number of the studies, to offer readers insights for their

own research. In addition, the book addresses fundamental concepts and studies in the development of GNC, making it a valuable resource for both beginners and researchers wanting to further their understanding of guidance, navigation, and control.

China Satellite Navigation Conference (CSNC) 2017 Proceedings: Volume II

A Collection of Technical Papers

Proceedings of 2020 Chinese Intelligent Systems Conference

Image and Graphics

Way 2 Merchant Navy

Volume II

Intelligent Computing Technology

The six-volume set LNCS 8579-8584 constitutes the refereed proceedings of the 14th

International Conference on Computational

Science and Its Applications, ICCSA 2014, held in Guimarães, Portugal, in June/July 2014. The

347 revised papers presented in 30 workshops and a special track were carefully reviewed and

selected from 1167. The 289 papers presented in the workshops cover various areas in

computational science ranging from

computational science technologies to specific areas of computational science such as

computational geometry and security.

If you are preparing or being prepared for IMU-CET entrance exam, then surely you are proceeding toward your bright career. Our study

materials are specially prepared, keeping in mind the requirements, syllabus, content, detailed solutions, latest samples, Thus it enables an average students to compete & qualify the all entrance exam. This book covers all types of Problems & Questions Patterns(Physics-Mathmatics-Chemistry-English-Aptitude and G.k with detail summery) generally asked in entrance examination-1.B.Sc. Degree in Nautical Science2. Higher National Diploma (HND) Nautical Science.3. Higher National Diploma (HND) Marine Engineering4.. 6 months Pre-Sea course for General Purpose Rating5. 4-Year Degree course in Marine Engineering6. 1-year Marine Engineering CourseGraduate Marine Engineer(GME)7. 2-year Marine Engineering course8. Pre-sea Training for Electro-Technical Officers on Merchant Ships9. B.Sc.[Maritime Hospitality Studies]10. Deck Cadet Course.1. This book covers all Guide & Introduction of Marine Worlds. 2. Shipping Company Sponsorship Tests and Previous Papers of IMU CET.3. Questions Pattern and Many More.....

We are delighted to introduce the proceedings of the 12th EAI International Conference on on Mobile Multimedia Communications (MobiMedia 2019). This conference has brought researchers, developers and practitioners around the world who are developing multimedia services and applications in mobile environments. Developing and leveraging multimedia services and applications in mobile environment requires adopting an

interdisciplinary approach where multimedia, networking and physical layer issues are addressed jointly. Content features analysis and coding, media access control, multimedia flow and error control, cross-layer optimization, Quality of Experience (QoE), media cloud as well as mobility management and security protocols are research challenges that need to be carefully examined when designing new mobile media architectures. We also need to put a great effort in designing applications that take into account the way the user perceives the overall quality of the provided service. Within this scope, MobiMedia is intended to provide a unique international forum for researchers from industry and academia, working on multimedia coding, mobile communications and networking fields, to study new technologies, applications and standards. Original unpublished contributions are solicited that can improve the knowledge and practice in the integrated design of efficient technologies and the relevant provision of advanced mobile multimedia applications

ISRR, the "International Symposium on Robotics Research", is one of robotics pioneering Symposia, which has established over the past two decades some of the field's most fundamental and lasting contributions. This book presents the results of the seventeenth edition of "Robotics Research" ISRR15, offering a collection of a broad range of topics in robotics. The content of the contributions provides a wide coverage of the

current state of robotics research.: the advances and challenges in its theoretical foundation and technology basis, and the developments in its traditional and new emerging areas of applications. The diversity, novelty, and span of the work unfolding in these areas reveal the field's increased maturity and expanded scope and define the state of the art of robotics and its future direction.

A Small Wars Journal Anthology

13th International Joint Conference, VISIGRAPP 2018 Funchal-Madeira, Portugal, January 27-29, 2018, Revised Selected Papers

The Shock and Vibration Bulletin

China Satellite Navigation Conference (CSNC)

2020 Proceedings: Volume III

Sensors for Gait, Posture, and Health

Monitoring Volume 3

8th International Conference, ICIC 2012,

Huangshan, China, July 25-29, 2012,

Proceedings

Robotics Research

This book constitutes the refereed proceedings of the 16th

Conference on Image and Graphics Technologies and

Applications, IGTA 2021, held in Beijing, China in June, 2021.

The 21 papers presented were carefully reviewed and selected

from 86 submissions. They provide a forum for sharing

progresses in the areas of image processing technology; image

analysis and understanding; computer vision and pattern

recognition; big data mining, computer graphics and VR, as

well as image technology applications. The volume contains the

following thematic blocks: image processing and enhancement

techniques (image information acquisition, image/video coding,

image/video transmission, image/video storage, compression,

completion, dehazing, reconstruction and display, etc.); biometric identification techniques (biometric identification and authentication techniques including face, fingerprint, iris and palm-print, etc.); machine vision and 3D reconstruction (visual information acquisition, camera calibration, stereo vision, 3D reconstruction, and applications of machine vision in industrial inspection, etc.); image/video big data analysis and understanding (object detection and recognition, image/video retrieval, image segmentation, matching, analysis and understanding); computer graphics (modeling, rendering, algorithm simplification and acceleration techniques, realistic scene generation, 3D reconstruction algorithm, system and application, etc.); virtual reality and human-computer interaction (virtual scene generation techniques, tracing and positioning techniques for large-scale space, augmented reality techniques, human-computer interaction techniques based on computer vision, etc.); applications of image and graphics (image/video processing and transmission, biomedical engineering applications, information security, digital watermarking, text processing and transmission, remote sensing, telemetering, etc.); other research works and surveys related to the applications of image and graphics technology.

Issues in Applied Mathematics / 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Mathematical Engineering. The editors have built Issues in Applied Mathematics: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Mathematical Engineering in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Applied Mathematics: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-

reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

China Satellite Navigation Conference (CSNC) 2014 Proceedings presents selected research papers from CSNC2014, held on 21-23 May in Nanjing, China. The theme of CSNC2014 is 'BDS Application: Innovation, Integration and Sharing'. These papers discuss the technologies and applications of the Global Navigation Satellite System (GNSS) and the latest progress made in the China BeiDou System (BDS) especially. They are divided into 9 topics to match the corresponding sessions in CSNC2014, which broadly covered key topics in GNSS. Readers can learn about the BDS and keep abreast of the latest advances in GNSS techniques and applications. SUN Jiadong is the Chief Designer of the Compass/ BDS, and the Academician of Chinese Academy of Sciences (CAS); JIAO Wenhai is a researcher at China Satellite Navigation Office; WU Haitao is a professor at Navigation Headquarters, CAS; LU Mingquan is a professor at Department of Electronic Engineering of Tsinghua University. This book presents the outcomes of the 16th International Conference on Software Engineering, Artificial Intelligence Research, Management and Applications (SERA 2018), which was held in Kunming, China on June 13–15, 2018. The aim of the conference was to bring together researchers and scientists, businessmen and entrepreneurs, teachers, engineers, computer users, and students to discuss the various fields of computer science, to share their experiences, and to exchange new ideas and information in a meaningful way. The book includes findings on all aspects (theory, applications and tools) of computer and information science, and discusses related practical challenges and the solutions adopted to solve

them. The conference organizers selected the best papers from those accepted for presentation. The papers were chosen based on review scores submitted by members of the program committee and underwent a further rigorous round of review. From this second round, 13 of the conference's most promising papers were then published in this Springer (SCI) book and not the conference proceedings. We eagerly await the important contributions that we know these authors will make to the field of computer and information science.

9th International Conference, ICG 2017, Shanghai, China, September 13-15, 2017, Revised Selected Papers, Part I

Machine Learning Approaches to Human Movement Analysis
Artificial Intelligence and Its Applications

Proceeding of the 2nd International Conference on Artificial Intelligence and Its Applications (2021)

Proceedings of 2017 Chinese Intelligent Systems Conference
Techniques for Assessment of Parkinsonism for Diagnosis and Rehabilitation

Volume 1: Proceedings of the 12th International Conference IAS-12, Held June 26-29, 2012, Jeju Island, Korea

IMU-CETGateway To Maritime

EducationEducreation Publishing

This book gathers the latest advances, innovations, and applications in the field of information technology in civil and building engineering, presented at the 18th International Conference on Computing in Civil and Building Engineering (ICCCBE), São Paulo, Brazil, August 18-20, 2020. It covers highly diverse topics such as BIM, construction information modeling, knowledge management, GIS, GPS, laser scanning,

sensors, monitoring, VR/AR, computer-aided construction, product and process modeling, big data and IoT, cooperative design, mobile computing, simulation, structural health monitoring, computer-aided structural control and analysis, ICT in geotechnical engineering, computational mechanics, asset management, maintenance, urban planning, facility management, and smart cities. Written by leading researchers and engineers, and selected by means of a rigorous international peer-review process, the contributions highlight numerous exciting ideas that will spur novel research directions and foster multidisciplinary collaborations.

China Satellite Navigation Conference (CSNC) 2015 Proceedings presents selected research papers from CSNC2015, held during 13th-15th May in Xian, China. The theme of CSNC2015 is Opening-up, Connectivity and Win-win. These papers discuss the technologies and applications of the Global Navigation Satellite System (GNSS), and the latest progress made in the China BeiDou System (BDS) especially. They are divided into 10 topics to match the corresponding sessions in CSNC2015, which broadly covered key topics in GNSS. Readers can learn about the BDS and keep abreast of the latest advances in GNSS techniques and

applications. SUN Jiadong is the Chief Designer of the Compass/ BDS, and the academician of Chinese Academy of Sciences (CAS); LIU Jingnan is a professor at Wuhan University. FAN Shiwei is a researcher at China Satellite Navigation Office; LU Xiaochun is an academician of Chinese Academy of Sciences (CAS).

This book presents selected, peer-reviewed proceedings of the International Conference on Advanced Mechanical Engineering, Automation and Sustainable Development 2021 (AMAS2021), held in the city of Ha Long, Vietnam, from November 4 to 7, 2021.

AMAS2021 is a special meeting of the International Conference on Material, Machines and Methods for Sustainable Development (MMMS), with a strong focus on automation and fostering an overall approach to assist policy makers, industries, and researchers at various levels to position local technological development toward sustainable development. The contributions published in this book stem from a wide spectrum of research, ranging from micro- and nanomaterial design and processing, to special applications in mechanical technology, environmental protection, green development, and climate change mitigation.

A large group of contributions selected for these proceedings also focus on modeling and manufacturing of ecomaterials.

First International Conference, SpatialDI 2020, Virtual Event, May 8-9, 2020, Proceedings

Gateway To Maritime Education

Issues in Applied Mathematics: 2012 Edition

China Satellite Navigation Conference (CSNC)

2014 Proceedings: Volume I

6th International Conference, IOV 2019,

Kaohsiung, Taiwan, November 18-21, 2019,

Proceedings

Towards Autonomous Robotic Systems

Intelligent Autonomous Systems 12

This book constitutes the first of 3 volumes of refereed conference proceedings of the 8th International Conference on Intelligent Computing, ICIC 2012, held in Huangshan, China, in July 2012. The 242 revised full papers presented were carefully reviewed and selected from 753 submissions. The 84 papers included in this volume are organized in topical sections on evolutionary learning and genetic algorithms, fuzzy theory and models, swarm intelligence and optimization, kernel methods and supporting vector machines, nature inspired computing and optimization, systems biology and computational biology, knowledge discovery and data mining, graph theory and algorithms, machine learning theory and methods, biomedical informatics

theory and methods, complex systems theory and methods, pervasive/ubiquitous computing theory and methods, intelligent computing in bioinformatics, intelligent computing in pattern recognition, intelligent computing in image processing, intelligent computing in robotics, intelligent computing in computer vision, intelligent computing in Petri nets/transportation systems, intelligent data fusion and information security, intelligent sensor networks, knowledge representation/reasoning and expert systems, hybrid optimization, and bio-inspired computing and application.

This book presents selected research papers from CISC'17, held in MudanJiang, China. The topics covered include Multi-agent system, Evolutionary Computation, Artificial Intelligence, Complex systems, Computation intelligence and soft computing, Intelligent control, Advanced control technology, Robotics and applications, Intelligent information processing, Iterative learning control, Machine Learning, and etc. Engineers and researchers from academia, industry, and government can gain valuable insights into solutions combining ideas from multiple disciplines in the field of intelligent systems.

This three-volume set LNCS 10666, 10667, and 10668 constitutes the refereed conference proceedings of the 9th International Conference on Image and Graphics, ICIG 2017, held in Shanghai, China, in September 2017.

The 172 full papers were selected from 370 submissions and focus on advances of theory, techniques and algorithms as well as innovative technologies of image, video and graphics processing and fostering innovation, entrepreneurship, and networking.

Advances in Guidance, Navigation and Control
Software Engineering Research, Management and Applications

Computational Science and Its Applications -
ICCSA 2014

Image and Graphics Technologies and
Applications

12th EAI International Conference on Mobile
Multimedia Communications, Mobimedia 2019,
29th - 30th June 2019, Weihai, China

Mobimedia 2019

14th International Conference, Guimarães,
Portugal, June 30 - July 3, 2014, Proceedings,
Part III