

VPULSE INTL Users Manual

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IEEE International Conference on Intelligent Processing Systems 1997

5th International Conference on Biomedical Engineering in Vietnam Vo Van Toi 2014-11-18 This volume presents the proceedings of the Fifth International Conference on the Development of Biomedical Engineering in Vietnam which was held from June 16-18, 2014 in Ho Chi Minh City. The volume reflects the progress of Biomedical Engineering and discusses problems and solutions. I aims identifying new challenges, and shaping future directions for research in biomedical engineering fields including medical instrumentation, bioinformatics, biomechanics, medical imaging, drug delivery therapy, regenerative medicine and entrepreneurship in medical devices.

31st International Field Emission symposium Pierre Sudraud 1984

Weinstein's Evidence Manual Jack B. Weinstein 2022-04-01 The authority on Federal Evidence Rules saves you valuable research time. Here's hands-on accessibility to expert guidance, in a convenient single volume. Useful on its own as a convenient quick reference guide, or as a companion to the six-volume masterwork, Weinstein's Federal Evidence. • A practical desktop and courtroom answer guide • Includes incisive analysis by Judge Weinstein • Judge Weinstein's valuable commentary covers each Rule. You'll find discussion of the reason behind the Rule, its philosophy and practice, and how to use it to your advantage • Contains authoritative federal case citations First published in 1987.

Corporate Legal Compliance Handbook Theodore L. Banks 2010-09-17 Corporate Compliance has changed—and—stricter guidelines now impose criminal penalties for activities that were previously considered legal. The and“business judgmentand” rule that protected the decisions of officers and directors has been severely eroded. The Corporate Federal Sentencing Guidelines of the U.S. Sentencing Commission require an effective compliance program, but even if you follow their requirements to the letter, you wonand’t really know if your compliance program works or if you have created a corporate culture that supports compliance. Now, with the completely updated Second Edition of Corporate Legal Compliance Handbook, youand’ll have help in creating a complete compliance system that complies with federal regulations and meets your specific corporate needs. Unlike the complicated or incomplete resources available today, Corporate Legal Compliance Handbook, Second Edition provides explanatory text and background material in two convenient formats: print and electronic. The accompanying CD-ROM contains reference materials, forms, sample training materials and other items to support program development. Corporate Legal Compliance Handbook, Second Edition gives you a unique combination: the essentials of the key laws your corporation must address, specific compliance regulations, and practical insights into designing, implementing, and managing an effectiveand—and efficientand—legal compliance program. It will help you identify the risks your company faces, and devise a system to address those risks. It will help you create a targeted compliance program by examining the risks attached to job descriptions, creating the appropriate corporate policies, establishing control programs, communicating effectively, and testing the effectiveness of your program. Corporate Legal Compliance Handbook, Second Edition will show you: How to ensure that your company establishes an effective compliance program How to master practical risk assessment tools How to identify any special risks posed by you clientand’s type of business How to make sure that each employee involved in a business process understands his or her individual responsibility in the companyand’s legal compliance program

Litigation Services Handbook Roman L. Weil 2017-04-05 The comprehensive "bible" for financial experts providing litigation support The Litigation Services Handbook is the definitive guide for financial experts engaged in litigation services. Attorneys require financial experts now more than ever, and this book provides the guidance you need to provide a high level of service as witness and consultant. Enhance your litigation skills as you delve into the fine points of trial preparation, deposition, and testimony; project authority under examination, and hold up to tough questions under cross-examination. Fraud investigations are a major component of litigation support services, and this book delves deep into Sarbanes-Oxley compliance and other relevant topics to give you a foundational understanding of how these cases are prosecuted, and your role as the financial services expert. This updated sixth edition includes new coverage of technology's role in the financial expert's practice, and the focus on investigations provides practical insight from leading experts in the field. From the process itself to proving damages, this indispensable reference covers all aspects of litigation services. Providing litigation support requires more than just your financial expertise; you also need a working knowledge of relevant case law, and a deep understanding of both the litigation process and the finer points of courtroom appearances. This book provides the insight and perspective you need to provide superior service to attorneys and their clients. Understand your role in trial preparation and testimony presentation Provide authoritative responses to direct and cross examination Examine and analyze Sarbanes-Oxley rulings Lend financial expertise to fraud investigations The

growing demand for financial expert litigation services has created a niche market for CPAs, creating a lucrative opportunity for qualified accountants who also possess the specialized knowledge the role requires. The Litigation Services Handbook is THE essential guide for anyone involved in financial litigation.

Proceeding of the Second International Conference on Microelectronics, Computing & Communication Systems (MCCS 2017) Vijay Nath 2018-07-30 The volume presents high quality papers presented at the Second International Conference on Microelectronics, Computing & Communication Systems (MCCS 2017). The book discusses recent trends in technology and advancement in MEMS and nanoelectronics, wireless communications, optical communication, instrumentation, signal processing, image processing, bioengineering, green energy, hybrid vehicles, environmental science, weather forecasting, cloud computing, renewable energy, RFID, CMOS sensors, actuators, transducers, telemetry systems, embedded systems, and sensor network applications. It includes original papers based on original theoretical, practical, experimental, simulations, development, application, measurement, and testing. The applications and solutions discussed in the book will serve as a good reference material for future works.

Research Handbook on the Economics of Intellectual Property Law Ben Depoorter 2019 Both law and economics and intellectual property law have expanded dramatically in tandem over recent decades. This field-defining two-volume Handbook, featuring the leading legal, empirical, and law and economics scholars studying intellectual property rights, provides wide-ranging and in-depth analysis both of the economic theory underpinning intellectual property law, and the use of analytical methods to study it.

Current Problems and Ways of Industry Development: Equipment and Technologies Olga G. Shakirova 2021-04-28 This book is a reflection of the modern scientific view of current and future problems and prospects of industry development: equipment and technologies. It combines the results of advanced researches of industry development: equipment and technologies in the field of various sciences – both technical and humanitarian, the synthesis of which allowed forming a holistic meta-scientific concept of industry development: equipment and technologies. The book consists of two parts. The first part reflects technical problems and ways of industry development: equipment and technologies. It examines the promising technologies for modern industrial development, the technogenic factors of neo-industrialization in the context of digital economy, strategic guidelines for the industry development: equipment and technologies from the standpoint of sustainable development, as well as integration mechanisms for the industry development: equipment and technologies, and scientific support for their activation. In the second part, organizational and managerial problems and ways of industry development: equipment and technologies are disclosed. The industry development: equipment and technologies were studied: a view from the standpoint of economics and management, legal barriers to the industry development: equipment: and technologies and the prospects for overcoming them, the impact of globalization on the industry development: equipment: and technologies and recommendations for managing internationalization, as well as social issues of industry development: equipment and technologies in the aspect of human resource's training and management. The book combines the best works presented at the International Research and Practice Conference "Actual Problems and Ways of Industry Development: Equipment and Technologies", organized by the Komsomolsk-on-Amur State University and the Institute of Scientific Communications and held in Komsomolsk-on-Amur (Russia) September 28–October 1, 2020. The target audience of the book is academic scientists studying issues of industry development: equipment and technologies, as well as industrial enterprises and government regulators of industry development: equipment and technologies.

ISTFA 2019: Proceedings of the 45th International Symposium for Testing and Failure Analysis 2019-12-01 The theme for the 2019 conference is Novel Computing Architectures. Papers will include discussions on the advent of Artificial Intelligence and the promise of quantum computing that are driving disruptive computing architectures; Neuromorphic chip designs on one hand, and Quantum Bits on the other, still in R&D, will introduce new computing circuitry and memory elements, novel materials, and different test methodologies. These novel computing architectures will require further innovation which is best achieved through a collaborative Failure Analysis community composed of chip manufacturers, tool vendors, and universities.

Proceedings of the International Conference on Artificial Intelligence Techniques for Electrical Engineering Systems (AITEES 2022) Valentina E. Balas 2022-10-14 This is an open access book. The focus of the conference is to provide a unique platform for exchange of ideas and synergy among researchers, academicians and industrial experts across the globe belonging to emerging electrical engineering domains. It also provides a premier platform for the people to present and discuss the most recent innovations and solutions in solving complex and challenging problems related to intelligent electrical engineering systems. Such a blend of various research-oriented minds will lead to productive results and further advancements in electrical engineering research. The book invites submission of novel, recent area of innovation and previously unpublished research work/idea in the field of modern applications of artificial intelligence techniques to electrical engineering systems. The applications of artificial intelligence related to various fields of electrical engineering are mentioned in the conference tracks. The conference is meant to discuss the challenges and applications of latest evolutionary computing techniques, neural networks, fuzzy logic, machine learning and data analytics in the fields of power systems, power electronics, robotics, automation, instrumentation, control systems, mechatronics and photonics. It provides a platform to the students, researchers, scientists, faculty members, professionals and practitioners to interact, present and get innovative ideas in the field of electrical engineering. As a part of AITEES-2022, many keynote sessions are planned to enhance the research and innovation skills of participants. Eminent professors from academic institutions and world renowned industrial experts from India and abroad will deliver keynote sessions.

International Aerospace and Ground Conference on Lightning and Static Electricity 1991

Proceedings of the IECON...International Conference on Industrial Electronics, Control, and Instrumentation

1997

Proceedings of the 6th International Conference on Electrical, Control and Computer Engineering Zainah Zain 2022 This book presents the proceedings of the 6th International Conference on Electrical, Control and Computer Engineering (InECCE 2021), held in Kuantan, Pahang, Malaysia, on 23 August 2021. The topics covered are sustainable energy, power electronics and drives and power engineering including distributed/renewable generation, power system optimization, artificial/computational intelligence, smart grid, power system protection and machine learning energy management and conservation. The book showcases some of the latest technologies and applications developed to solve local energy and power problems in order to ensure continuity, reliability and security of electricity for future generations. It also links topics covered the sustainable developed goals (SDGs) areas outlined by the United Nation for global sustainability. The book will appeal to professionals, scientists and researchers with experience in industry.

The 1991 International Aerospace and Ground Conference on Lightning and Static Electricity, Volume 1 1991

Proceedings of the International Conference on Computers and Devices for Communication 1998

International Conference on Computer Science and Software Engineering (CSSE 2014) 2014-11-03 CSSE2014

proceeding tends to collect the most up-to-date, comprehensive, and worldwide state-of-art knowledge on Computer Science and Software Engineering. All the accepted papers have been submitted to strict peer-review by 2–4 expert referees, and selected based on originality, significance and clarity for the purpose of the conference. The conference program is extremely rich, profound and featuring high-impact presentations of selected papers and additional late-breaking contributions. We sincerely hope that the conference would not only show the participants a broad overview of the latest research results on related fields, but also provide them with a significant platform for academic connection and exchange. The Technical Program Committee members have been working very hard to meet the deadline of review. The final conference program consists of 126 papers divided into 4 sessions.

IEEE International Symposium on Industrial Electronics Proceedings 2002

The Entrepreneur's Guide to Law and Strategy Constance E. Bagley 2017-02-21 Business Insider calls The

ENTREPRENEUR'S GUIDE "perhaps the most useful business book you can ever read" and lists it among twenty-five must-read books for entrepreneurs. THE ENTREPRENEUR'S GUIDE TO LAW AND STRATEGY, 5E examines stages of starting a business -- from start-up and growth to public offering, while highlighting legal preparations and pitfalls. Cutting-edge examples show how legally astute entrepreneurs can strategically increase realizable value, deploy resources, and manage risk. The book discusses leaving a job, hiring former coworkers, competing with a former employer, workplace legislation, product liability, and bankruptcy. You examine current issues including today's workforce in the "gig" economy, "crowdsourcing" capital and social media, computer hacking and identity theft. Legal discussion integrates with core strategic concepts, such as Porter's Five Forces, the resource-based view of the firm, the value proposition, activities in the value chain and more. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

XIII SBMicro, International Conference on Microelectronics and Packaging, ICMP'98: Technical papers Ivan Jorge Chueiri 1998

Springer Handbook of Semiconductor Devices Massimo Rudan 2022-11-10 This Springer Handbook comprehensively covers the topic of semiconductor devices, embracing all aspects from theoretical background to fabrication, modeling, and applications. Nearly 100 leading scientists from industry and academia were selected to write the handbook's chapters, which were conceived for professionals and practitioners, material scientists, physicists and electrical engineers working at universities, industrial R&D, and manufacturers. Starting from the description of the relevant technological aspects and fabrication steps, the handbook proceeds with a section fully devoted to the main conventional semiconductor devices like, e.g., bipolar transistors and MOS capacitors and transistors, used in the production of the standard integrated circuits, and the corresponding physical models. In the subsequent chapters, the scaling issues of the semiconductor-device technology are addressed, followed by the description of novel concept-based semiconductor devices. The last section illustrates the numerical simulation methods ranging from the fabrication processes to the device performances. Each chapter is self-contained, and refers to related topics treated in other chapters when necessary, so that the reader interested in a specific subject can easily identify a personal reading path through the vast contents of the handbook.

Boilerplate Clauses, International Commercial Contracts and the Applicable Law Giuditta Cordero-Moss 2011-03-17 With the aim of creating an autonomous regime for the interpretation and application of the contract, boilerplate clauses are often inserted into international commercial contracts without negotiations or regard for their legal effects. The assumption that a sufficiently detailed and clear language will ensure that the legal effects of the contract will only be based on the contract, as opposed to the applicable law, was originally encouraged by English courts, and today most international contracts have these clauses, irrespective of the governing law. This collection of essays demonstrates that this assumption is not fully applicable under systems of civil law, because these systems are based on principles, such as good faith and loyalty, which contradict this approach.

Model-Driven Design Using IEC 61499 Li Hsien Yoong 2014-11-13 This book describes a novel approach for the design of embedded systems and industrial automation systems, using a unified model-driven approach that is applicable in both domains. The authors illustrate their methodology, using the IEC 61499 standard as the main vehicle for specification, verification, static timing analysis and automated code synthesis. The well-known synchronous approach is used as the main vehicle for defining an unambiguous semantics that ensures determinism and deadlock freedom. The proposed approach also ensures very efficient implementations either on small-scale embedded devices or on industry-scale programmable automation controllers (PACs). It can be used for both centralized and distributed implementations.

Significantly, the proposed approach can be used without the need for any run-time support. This approach, for the first time, blurs the gap between embedded systems and automation systems and can be applied in wide-ranging applications in automotive, robotics, and industrial control systems. Several realistic examples are used to demonstrate for readers how the methodology can enable them to reduce the time-to-market, while improving the design quality and productivity.

Trends In Astroparticle Physics - Proceedings Of The Ucla International Conference Peccei Roberto 1991-12-31

Proceedings of the 9th International Symposium on Foundations of Quantum Mechanics in the Light of New Technology

Sachio Ishioka 2009 This book is the proceedings of the 9th International Symposium on Foundations of Quantum Mechanics in the Light of New Technology (ISQM?TOKYO'08) which aims to link the recent advances in technology with fundamental problems in quantum mechanics. It also discusses fundamental problems and issues in quantum physics and places a special emphasis on ?Quantum Coherence and Decoherence?. The proceedings included a special lecture by Prof C N Yang, ?Pseudopotential Method in Cold Atom Research?, and 75 refereed papers covering the wide range of quantum physics: cold atoms and molecules; spin-Hall effect and anomalous Hall effect; magnetic domain wall dynamics and spin-related phenomena; Dirac fermions in condensed matter; quantum dot systems; entanglement and quantum information processing, qubit manipulations; mechanical properties of confined geometry; precise measurements; novel properties of nano-systems; and fundamental problems in quantum physics. The book will not only serve as a good reference for experts on quantum coherence and decoherence, but also as an introduction for newcomers to this field.

Research Handbook on Intellectual Property Exhaustion and Parallel Imports Irene Calboli 2016-06-24 From the Americas to the European Union, Asia-Pacific and Africa, countries around the world are facing increased pressure to clarify the application of intellectual property exhaustion. This wide-ranging Research Handbook explores the questions that pose themselves as a result. Should exhaustion apply at the national, regional, or international level? Should parallel imports be considered lawful imports? Should copyright, patent, and trademark laws follow the same regime? Should countries attempt to harmonize their approaches? To what extent should living matters and self-replicating technologies be subject to the principle of exhaustion? To what extent have the rise of digital goods and the "Internet of things" redefined the concept of exhaustion in cyberspace? The Handbook offers insights to the challenges surrounding these questions and highlights how one answer does not fit all.

Handbook of Spinal Cord Monitoring S.J. Jones 2012-12-06 Surgery for the treatment of deformities such as scoliosis carries a small but significant risk of damage to the spinal cord through inadvertent compression or interference with the blood supply. Electrophysiological techniques, principally those for recording sensory and motor evoked potentials, offer a means of continuously assessing the conduction of nerve signals up and down the spinal cord and hence the possibility of detecting a defect at an early stage, when the cause may be reversible. This form of monitoring is now accepted practice in many countries. The main contributors to the Handbook are surgeons, neurophysiologists and anaesthetists at the forefront of research. From the United States, where practice has been most widespread, come the results of the first large-scale, multi-centre survey into monitoring methods and their effectiveness. The research papers forming the remainder of the text provide an indication of the high level of current interest and the likely direction of future developments.

Handbook of Memristor Networks Leon Chua 2019-11-12 This Handbook presents all aspects of memristor networks in an easy to read and tutorial style. Including many colour illustrations, it covers the foundations of memristor theory and applications, the technology of memristive devices, revised models of the Hodgkin-Huxley Equations and ion channels, neuromorphic architectures, and analyses of the dynamic behaviour of memristive networks. It also shows how to realise computing devices, non-von Neumann architectures and provides future building blocks for deep learning hardware. With contributions from leaders in computer science, mathematics, electronics, physics, material science and engineering, the book offers an indispensable source of information and an inspiring reference text for future generations of computer scientists, mathematicians, physicists, material scientists and engineers working in this dynamic field.

Electro-Chemo-Mechanics of Solids Sean R. Bishop 2017-03-18 This book brings together a collection of chapters that focus on the relationship among electrical, chemical, and mechanical properties and the study of adjusting one property through the control of another, namely, Electro-Chemo-Mechanics (ECM). The authors examine how this relationship can result in beneficial properties, such as mixed ionic and electronic conductivity, in oxides, upon oxygen deficiency or lithium insertion (electro-chemo) and/or changes in ionic and electronic mobility observed in strained systems (electro-mechano). They also consider how ECM interactions can be responsible for large stresses from non-stoichiometry induced lattice dilation (chemo-mechano). While many volumes are available devoted to the study of the origins and characteristics of electro-chemical relationships, they form the well-known field of electrochemistry, this volume is highly novel in its examination of the corresponding electro-mechanical, chemo-mechanical, and electro-chemo-mechanical relationships. The book is ideal for researchers and design engineers interested in energy storage and conversion and the electrical and mechanical properties of materials.

International California Mining Journal 1995

Handbook of Intellectual Property Claims and Remedies Patrick J. Flinn 2000-01-01 Now there's a one-stop source of answers to the critical remedies questions that arise in today's intellectual property claims. Handbook of Intellectual Property Claims and Remedies is the first single-volume treatise to focus exclusively on the substantive law governing remedies and strategies for obtaining them in intellectual property litigation. Written by Patrick J. Flinn, an intellectual property specialist from Alston and Bird in Atlanta, GA, Handbook of Intellectual Property Claims and Remedies offers step-by-step guidance on how to maximize -- or minimize -- possible remedies at all stages of litigation, from pre-filing decisions through appeals. You'll find vital information you can use to: Evaluate general remedial concepts involving lost profits, unjust enrichment, and out-of-pocket damages in IP claims Establish which claims can affect which types of relief,

and what problems may arise in joining different claims in the same action Avoid costly mistakes at all stages of the case. Handbook of Intellectual Property Claims and Remedies is full of practice tools to help you build and present your best case, including a quick-reference matrix on IP rights and remedies, sample demand letters and responses, current statistics on jury awards, case citations, checklists, and more!

Smart Card Research and Advanced Applications Marc Joye 2015-03-16 This book constitutes the thoroughly refereed post-conference proceedings of the 13th International Conference on Smart Card Research and Advanced Applications, CARDIS 2014, held in Paris, France, in November 2014. The 15 revised full papers presented in this book were carefully reviewed and selected from 56 submissions. The papers are organized in topical sections on Java cards; software countermeasures; side-channel analysis; embedded implementations; public-key cryptography and leakage and fault attacks.

Robots Operating in Hazardous Environments Hüseyin Canbolat 2017-12-20 Robots are used in industry, rescue missions, military operations, and subwater missions. Their use in hazardous environments is crucial in terms of occupational safety of workers and the health of rescue and military operations. This book presents several hazardous environment operations and safe operations of robots interacting with people in the context of occupational health and safety.

The New International System of Units (SI) Ernst O. Göbel 2019-05-31 The International System of Units, the SI, provides the foundation for all measurements in science, engineering, economics, and society. The SI has been fundamentally revised in 2019. The new SI is a universal and highly stable unit system based on invariable constants of nature. Its implementation rests on quantum metrology and quantum standards, which base measurements on the manipulation and counting of single quantum objects, such as electrons, photons, ions, and flux quanta. This book explains and illustrates the new SI, its impact on measurements, and the quantum metrology and quantum technology behind it. The book is based on the book ?Quantum Metrology: Foundation of Units and Measurements? by the same authors. From the contents: -Measurement -The SI (Système International d'Unités) -Realization of the SI Second: Thermal Beam Cs Clock, Laser Cooling, and the Cs Fountain Clock -Flux Quanta, Josephson Effect, and the SI Volt -Quantum Hall Effect, the SI Ohm, and the SI Farad -Single-Charge Transfer Devices and the SI Ampere -The SI Kilogram, the Mole, and the Planck constant -The SI Kelvin and the Boltzmann Constant -Beyond the present SI: Optical Clocks and Quantum Radiometry -Outlook

International Technical Conference on Experimental Safety Vehicles. Thirteenth. Proceedings. Volume II. 1993

Proceedings of the International Conference on High Energy Accelerators A. B. Kusnetsov 1964

Proceedings of the 5th International Conference on Industrial Engineering (ICIE 2019) Andrey A. Radionov 2019-11-14

This book highlights recent findings in industrial, manufacturing and mechanical engineering, and provides an overview of the state of the art in these fields, mainly in Russia and Eastern Europe. A broad range of topics and issues in modern engineering are discussed, including the dynamics of machines and working processes, friction, wear and lubrication in machines, surface transport and technological machines, manufacturing engineering of industrial facilities, materials engineering, metallurgy, control systems and their industrial applications, industrial mechatronics, automation and robotics. The book gathers selected papers presented at the 5th International Conference on Industrial Engineering (ICIE), held in Sochi, Russia in March 2019. The authors are experts in various fields of engineering, and all papers have been carefully reviewed. Given its scope, the book will be of interest to a wide readership, including mechanical and production engineers, lecturers in engineering disciplines, and engineering graduates.

Proceedings of the 11th International Conference on Robotics, Vision, Signal Processing and Power Applications Nor Muzlifah Mahyuddin 2022-02-11 The proceeding is a collection of research papers presented at the 11th International Conference on Robotics, Vision, Signal Processing & Power Applications (RoViSP 2021). The theme of RoViSP 2021 "Enhancing Research and Innovation through the Fourth Industrial Revolution (IR 4.0)" served as a platform for researchers, scientists, engineers, academicians as well as industrial professionals from all around the globe to present and exchange their research findings and development activities through oral presentations. The book covers various topics of interest, including: Robotics, Control, Mechatronics and Automation Telecommunication Systems and Applications Electronic Design and Applications Vision, Image and Signal Processing Electrical Power, Energy and Industrial Applications Computer and Information Technology Biomedical Engineering and Applications Intelligent Systems Internet-of-things Mechatronics Mobile Technology

12th International Congress on Catalysis A. Corma 2000-07-05 The twelfth Congress on Catalysis was held in Granada (Spain) under the auspices of the International Association of Catalysis Societies and the Spanish Society of Catalysis. These four-volume Proceedings are the expression of the Scientific Sessions which constituted the main body of the Congress. They include 5 plenary lectures, 1 award lecture, 8 keynote lectures, 124 oral presentations and 495 posters. The oral and poster contributions have been selected on the basis of the reports of at least two international reviewers, according to standards comparable to those used for specialised journals.

Proceedings of the International Conference on Data Engineering and Communication Technology Suresh Chandra Satapathy 2016-08-23 This two-volume book contains research work presented at the First International Conference on Data Engineering and Communication Technology (ICDECT) held during March 10–11, 2016 at Lavasa, Pune, Maharashtra, India. The book discusses recent research technologies and applications in the field of Computer Science, Electrical and Electronics Engineering. The aim of the Proceedings is to provide cutting-edge developments taking place in the field data engineering and communication technologies which will assist the researchers and practitioners from both

academia as well as industry to advance their field of study.