This book presents the results of a number of research projects from the Università Cattolica del Sacro Cuore - the largest private university in Italy and in Europe - with a strong commitment to the areas of medicine and health sciences, economics, business, international relations, political science, psychology and communications. Visions and research directions for the future are also presented and discussed.

Architecture for Psychiatric Environments and Therapeutic Spaces

Author: E. Chrysikou
December 2014, 198 pp., hardcover
ISBN 978-1-61499-459-6 (print) / 978-1-61499-460-2 (online)
Price: €65 / US$94 / £55
Architecture & Design, Life & Behavioural Sciences, Medicine & Health

This book explores the design of specialized residential architecture for people with mental health problems. It sets out to show how building design can support medical and health related procedures and practices, leading to better therapeutic outcomes and an enhanced quality of life. Based on almost two decades of research, it aims to understand how architectural design interacts with the therapeutic milieu, the care programs, and actually living in the spaces.
This book presents 34 original papers accepted for presentation at the 17th International Conference of the Catalan Association for Artificial Intelligence (CCIA 2014), held in October 2014 in Barcelona, Spain. The papers in this volume have been organized around different topics, providing a representative sample of the current state-of-the-art in the Catalan artificial intelligence community and of the collaboration between ACIA members and the worldwide AI community.

This book presents the lectures and notes from the Enrico Fermi school “Atom Interferometry”, held in Varenna, Italy, in July 2013. The aim of the school was to cover basic experimental and theoretical aspects and to provide an updated review of current activities in the field as well as main achievements.

This book presents the proceedings of the fifth conference on Computational Models of Argument (COMMA), held in Pitlochry, Scotland in September 2014. The COMMA community is distinguished by virtue of its focus on the computational and mathematical aspects of the subject, ensuring that methods are sound, that they identify arguments that are correct in some sense, and provide an unambiguous specification for implementation; producing programs that reason in the correct way and building systems capable of natural argument or of recognizing argument.

This book presents the lectures and notes from the Enrico Fermi school “Atom Interferometry”, held in Varenna, Italy, in July 2013. The aim of the school was to cover basic experimental and theoretical aspects and to provide an updated review of current activities in the field as well as main achievements.

This book presents the proceedings of the three day NATO Advanced Research Workshop, “Countering Radicalisation and Violent Extremism Among Youth to Prevent Terrorism”, held in Milan, Italy, in June 2014. The book will be of interest to all those involved in policy development, prevention programs, de-radicalization programs or research aimed at countering violent extremism and the radicalization of young people.
Die Suche nach Künstlicher Intelligenz
Eine Geschichte von Ideen und Erfolgen
Herausgegeben von Gesamtverzeichnis AKA Verlag
Author: N.J. Nilsson
July 2014, 580 pp., hardcover
ISBN 978-3-89838-665-4 (print) / 978-3-89838-666-1 (online)
Price: €79 / US$115 / £67
Artificial Intelligence


Cyber Security and Resiliency Policy Framework
Volume 38 NATO Science for Peace and Security Series -
D: Information and Communication Security
Editors: A. Vaseashta, P. Susmann, E. Braman
October 2014, 176 pp., softcover
ISBN 978-1-61499-445-9 (print) / 978-1-61499-446-6 (online)
Price: €108 / US$157 / £92
Computer Science, Computer Security

This book contains papers presented at the NATO Advanced Research Workshop (ARW) entitled Best Practices and Innovative Approaches to Develop Cyber Security and Resiliency Policy Framework, held in Ohrid, the Former Yugoslav Republic of Macedonia (FYROM), in June 2013. The workshop aimed to develop a governing policy framework for nation states to enhance the cyber security of critical infrastructure. The book will be of interest to cyber security professionals, practitioners, policy-makers, and to all those for whom cyber security is a critical and an important aspect of their work.

Databases and Information Systems VIII
Selected Papers from the Eleventh International Baltic Conference, DB&IS 2014
Volume 270 Frontiers in Artificial Intelligence and Applications
Editors: H.-M. Haav, A. Kaja, T. Robal
November 2014, 372 pp., hardcover
Price: €130 / US$189 / £111
Artificial Intelligence, Computer Science

This book presents 22 of the best revised papers accepted following stringent peer review for the 11th International Baltic Conference on Databases and Information Systems (Baltic DB&IS 2014), held in Tallinn, Estonia, in June 2014. The conference provided a forum for the exchange of scientific achievements between the research communities of the Baltic countries and the rest of the world in the area of databases and information systems, bringing together researchers, practitioners and Ph.D. students from many countries.

Digital Enlightenment Yearbook 2014
Social Networks and Social Machines, Surveillance and Empowerment
Editors: K. O'Hara, M.-H.C. Nguyen, P. Haynes
November 2014, 314 pp., hardcover
ISBN 978-1-61499-449-7 (print) / 978-1-61499-450-3 (online)
Price: €80 / US$116 / £68
Computer Science, Information Sciences, Science & Technology Policy

This book is the third in the series which began in 2012 under the auspices of the Digital Enlightenment Forum. This year, the focus is on the relationship of individuals with their networks, and explores “Social networks and social machines, surveillance and empowerment”. In what is now the well-established tradition of the yearbook, different stakeholders in society and various disciplinary communities (technology, law, philosophy, sociology, economics, policymaking) bring their very different opinions and perspectives to bear on this topic.

ECAI 2014
21st European Conference on Artificial Intelligence
Volume 263 Frontiers in Artificial Intelligence and Applications
Editors: T. Schaub, G. Friedrich, B. O’Sullivan
August 2014, 1264 pp., softcover
ISBN 978-1-61499-418-3 (print) / 978-1-61499-419-0 (online)
Price: €235 / US$340 / £199
Artificial Intelligence

This book presents the papers from the 21st biennial European Conference on Artificial Intelligence, ECAI 2014, held in Prague, Czech Republic, in August 2014. The ECAI conference remains Europe’s principal opportunity for researchers and practitioners of Artificial Intelligence to gather and to discuss the latest trends and challenges in all subfields of AI, as well as to demonstrate innovative applications and uses of advanced AI technology.

eHealth – For Continuity of Care
Proceedings of MIE2014
Volume 205 Studies in Health Technology and Informatics
August 2014, 1264 pp., softcover
Price: €235 / US$340 / £199
Biochemistry, Medicine & Health, Medical Informatics

This book presents the proceedings of the 25th European Medical Informatics Conference, held in Istanbul, Turkey in August/September 2014. The conference aims to present the most recent developments in biomedical informatics. The book is divided into 15 sections, which include: decision support systems and clinical practice guidelines; improved healthcare through informatics; data analysis; mobile health; technology and system evaluation; and text mining. The final two sections present posters from the conference.
This book presents the proceedings of FOIS 2014. The book is divided into four main sections, dealing with: foundations; processes, agency and dispositions; methods and tools; and applications. The last of these covers a broad spectrum of areas, including in particular biology, medicine, engineering, and economy. The book will be of interest to all those whose work involves the application of ontologies, and who are looking for a current overview of developments in formal ontology.
The contributions to this volume engage with diverse aspects of responsible innovation, reflecting on its history and its current form, reporting on success stories and critical discussions, pointing out shortcomings and obstacles, and analyzing the grand narratives that shape discourse on new and emerging fields of technoscience. In addition to nanotechnology, several other fields of research and engineering, as well as engineering geology, are addressed. The 43 papers included here provided a useful and interesting reference for anyone requiring an overview of current innovations in healthcare.

This book presents the proceedings of the 2nd International Conference on Innovation in Medicine and Healthcare (ICIMTH), held in Athens, Greece, in July 2014. Papers are divided into sections including: clinical informatics; decision support and intelligent systems; e-learning and education; health informatics; information management and technology assessment; healthcare IT; mobile technology in healthcare; public health informatics and issues; social and legal issues; and telemedicine.

This book presents papers from the 2014 International Conference on Informatics, Management, and Technology in Healthcare (ICIMTH), held in Athens, Greece, in July 2014. Papers are divided into sections including: clinical informatics; decision support and intelligent systems; e-learning and education; health informatics; information management and technology assessment; healthcare IT; mobile technology in healthcare; public health informatics and issues; social and legal issues; and telemedicine.

This book presents papers from the 2014 International Conference on Informatics, Management, and Technology in Healthcare (ICIMTH), held in Athens, Greece, in July 2014. Papers are divided into sections including: clinical informatics; decision support and intelligent systems; e-learning and education; health informatics; information management and technology assessment; healthcare IT; mobile technology in healthcare; public health informatics and issues; social and legal issues; and telemedicine.

This book presents papers from the Australian Health Informatics Conference (HIC 2014), held in Melbourne, Australia, in August 2014. With the theme of investing in e-health: people, knowledge and technology for a healthy future, the papers delivered at the conference and included here address the issues of building a future-focused, scalable and adaptable infrastructure and of training the healthcare workforce necessary to support it.

This book presents papers from the 2014 International Conference on Informatics, Management, and Technology in Healthcare (ICIMTH), held in Athens, Greece, in July 2014. Papers are divided into sections including: clinical informatics; decision support and intelligent systems; e-learning and education; health informatics; information management and technology assessment; healthcare IT; mobile technology in healthcare; public health informatics and issues; social and legal issues; and telemedicine.

This book presents papers from the Australian Health Informatics Conference (HIC 2014), held in Melbourne, Australia, in August 2014. With the theme of investing in e-health: people, knowledge and technology for a healthy future, the papers delivered at the conference and included here address the issues of building a future-focused, scalable and adaptable infrastructure and of training the healthcare workforce necessary to support it.

This book presents papers from the Australian Health Informatics Conference (HIC 2014), held in Melbourne, Australia, in August 2014. With the theme of investing in e-health: people, knowledge and technology for a healthy future, the papers delivered at the conference and included here address the issues of building a future-focused, scalable and adaptable infrastructure and of training the healthcare workforce necessary to support it.

This book presents papers from the Australian Health Informatics Conference (HIC 2014), held in Melbourne, Australia, in August 2014. With the theme of investing in e-health: people, knowledge and technology for a healthy future, the papers delivered at the conference and included here address the issues of building a future-focused, scalable and adaptable infrastructure and of training the healthcare workforce necessary to support it.

This book presents papers from the Australian Health Informatics Conference (HIC 2014), held in Melbourne, Australia, in August 2014. With the theme of investing in e-health: people, knowledge and technology for a healthy future, the papers delivered at the conference and included here address the issues of building a future-focused, scalable and adaptable infrastructure and of training the healthcare workforce necessary to support it.
This book presents the proceedings of the 21st ISPE Inc. International Conference on Concurrent Engineering (CE), held at Beijing Jiaotong University, China, in September 2014. It is the first volume of a new book series: ‘Advances in Transdisciplinary Engineering’. The book will be of interest to CE researchers, practitioners from industry and public bodies, and educators alike.

This book presents lectures from the 186th Course in the Enrico Fermi International School of Physics entitled "New Horizons for Observational Cosmology", held in Varenna, Italy, in July 2013. Topics covered at this school included: cosmic microwave background anisotropies; galaxy clustering; weak lensing; dark energy; dark matter; inflation; modified gravity; neutrino physics; reionization; galaxy formation; and first stars.

This book presents the proceedings of the first conference in this new area, "Robo-Philosophy 2014 - Sociable Robots and the Future of Social Relations", held in Aarhus, Denmark, in August 2014. The short papers and abstracts collected here address questions of social robotics from the perspectives of philosophy of mind, social ontology, ethics, meta-ethics, political philosophy, aesthetics, intercultural philosophy, and metaphysics.

This book contains extensively reviewed papers from the thirteenth International Conference on New Trends in Software Methodology, Tools and Techniques (SoMeT_14), held in Langkawi, Malaysia, in September 2014. Topics covered include the handling of cognitive issues in software development to adapt it to the user’s mental state and intelligent software design in software utilizing new aspects on conceptual ontology and semantics reflected on knowledge base system models.

This book presents papers from the 2014 Workshop on Radio Frequency Identification System Security, RFIDsec’14 Asia, held in Hualien, Taiwan, in November 2014. This workshop aimed to provide researchers, enterprises and governments with a platform to investigate, discuss and propose new solutions for the security and privacy issues of technologies and applications related to RFID and the Internet of Things (IoT).

This book presents some critical findings on opening a new direction of the research of Software Engineering, by exploiting Semantic Web technologies. Most of these findings are from selected papers from the Semantic Web Enabled Software Engineering (SWESE) series of workshops starting from 2005. Edited by two leading researchers, this advanced text presents a unifying and contemporary perspective on the field.
This book presents papers from the Seventh STAIRS, a satellite event of the 21st European Conference on Artificial Intelligence (ECAI) held in Prague, Czech Republic, in August 2014. The book includes 30 papers accepted for presentation at the conference, out of 45 submissions. 16 papers were selected for an oral presentation at the symposium, while the other 14 were presented at a poster session. Together these papers cover the field of AI; knowledge representation and reasoning, machine learning, planning and scheduling being the areas which have attracted the largest number of submissions.

The Delft Sand, Clay and Rock Cutting Model

This book provides an overview of cutting theories. It begins with a generic model, valid for all types of soil (sand, clay and rock), and continues with the specifics of: dry sand, water-saturated sand, clay, atmospheric rock and hyperbaric rock. Small blade angles and large blade angles are discussed for each soil type, and for each case considered the equations/model for cutting forces, power and specific energy are given.

Visit our website www.iospress.com for online ordering
For ebooks, go to www.ebooks.iospress.com