The 13th International Conference On Pediatric Mechanical

This book constitutes the proceedings of the 13th International Conference on Modeling Decisions for Artificial Intelligence, MDAI 2016, held in Sant Julià de Lòria, Andorra, in September 2016. The 22 revised full papers presented together with three invited talks were carefully reviewed and selected from 36 submissions. Providing a forum for researchers to discuss models for decision and information fusion (aggregation operators) and their applications to AI, the papers address topics such as decision making, information fusion, social networks, data mining, and related subjects. Applications to data science and privacy technologies, as well as to real world problems are also discussed.

Proceedings of the Thirteenth International Conference on Management Science and Engineering ManagementSpringer

This book constitutes the refereed proceedings of the 13th International Joint Conference on E-Business and Telecommunications, ICETE 2016, held in Lisbon, Portugal, in July 2016. ICETE is a joint international conference integrating four major areas of knowledge that are divided into six corresponding conferences: International Conference on Data Communication Networking, DCNET; International Conference on E-Business, ICE-B; International Conference on Optical Communication Systems, OPTICS; International Conference on Security and Cryptography, SECRYPT; International Conference on Signal Processing and Multimedia, SIGMAP; International Conference on Wireless Information Systems, WINSYS. The 20 full papers presented together with an invited paper in this volume were carefully reviewed and selected from 241 submissions. The papers cover the following key areas of e-business and telecommunications: data communication networking; e-business; optical communication systems; security and cryptography; signal processing and multimedia applications; wireless networks and mobile systems.

This book constitutes the refereed proceedings of the 13th International Conference on Brain Informatics, BI 2020, held in Padua, Italy, in September 2020. The conference was held virtually due to the COVID-19 pandemic. The 33 full papers were carefully reviewed and selected from 57 submissions. The papers are organized in the following topical sections: cognitive and computational foundations of brain science; investigations of human information processing systems; brain big data analytics, curation and management; informatics paradigms for brain and mental health research; and brain-machine intelligence and brain-inspired computing.

This book constitutes the refereed proceedings of the 13th International Conference on the Quality of Information and Communications Technology, QUATIC 2020, held in Faro, Portugal*, in September 2020. The 27 full papers and 12 short papers were carefully reviewed and selected from 81 submissions. The papers are organized in topical sections: quality aspects in machine learning, AI and data analytics; evidence-based software quality engineering; human and artificial intelligences for software evolution; process modeling, improvement and assessment; software quality education and training; quality aspects in quantum computing; safety, security and privacy; ICT verification and validation; RE, MDD and agile. *The conference was held virtually due to the COVID-19 pandemic.

This book contains the refereed proceedings of the 13th International Conference on Knowledge Management in Organizations, KMO 2018, held in Žilina, Slovakia, in August 2018. The theme of the conference was "Emerging Research for Knowledge Management in Organizations." The 59 papers accepted for KMO 2018 were selected from 141 submissions and are organized in topical sections on: Knowledge management models and analysis; knowledge sharing; knowledge transfer and learning; knowledge and service innovation; knowledge creation; knowledge and organization; information systems and information science; knowledge and technology management; data mining and intelligent science; business and customer relationship management; big data and IoT; and new trends in IT.

This book constitutes the refereed proceedings of the 13th International Conference on Artificial General Intelligence, AGI 2020, held in St. Petersburg, Russia, in September 2020. The 30 full papers and 8 short papers presented in this book were carefully reviewed and selected from 60 submissions. The papers cover topics such as AGI architectures, artificial creativity and AI safety, transfer learning, AI unification and benchmarks for AGI.

Security of Information and Networks includes invited and contributed papers on information assurance, security, and public policy. It covers Ciphers, Mobile Agents, Access Control, Security Assurance, Intrusion Detection, and Security Software.

This volume contains the proceedings of the 13th International Conference on Financial Cryptography and Data Security, held at the Accra Beach Hotel and Resort, Barbados, February 23–26, 2009. Financial Cryptography and Data Security (FC) is a well-established int- national forum for research, advanced development, education, exploration and debate regarding information assurance in the context of ?nance and commerce. The conference covers all aspects of securing transactions and systems. The goal of FC is to bring security and cryptography researchers and pr- titioners together with economists, bankers, and policy makers. This year, we assembled a vibrant program featuring 21 peer-reviewed research paper pres- tations, two panels (on the economics of information security and on authen- cation), and a keynote address by David Dagon. Despite a proliferation of security and cryptography venues, FC continues to receive a large number of high-quality submissions. This year, we received 91 submissions(75full-lengthpapers,15shortpapersand1panel).Eachsubmission was reviewed by at least three reviewers. Following a rigorous selection, ranking and discussion process, the Program Committee accepted 20 full-length papers, 1 short paper and 1 panel. The overall acceptance rate was 24%.

This two-volume set of LNAI 12274 and LNAI 12275 constitutes the refereed proceedings of the 13th International Conference on Knowledge Science, Engineering and Management, KSEM 2020, held in Hangzhou, China, in August 2020.* The 58 revised full papers and 27 short papers were carefully reviewed and selected from 291 submissions. The papers of the first volume are organized in the following topical sections: knowledge graph; knowledge representation; knowledge management for education; knowledge-based systems; and data processing and mining. The papers of the second volume are organized in the following topical sections: machine learning; recommendation algorithms and systems; social knowledge analysis and management; text mining and document analysis; and deep learning. *The conference was held virtually due to the COVID-19 pandemic.

This book constitutes the refereed proceedings of the 13th International Conference on Virtual, Augmented and Mixed Reality, VAMR 2021, held virtually as part of the 23rd HCI International Conference, HCII 2021, in July 2021. The total of 1276 papers and 241 posters included in the 39 HCII 2021 proceedings volumes was carefully reviewed and selected from 5222 submissions. The 47 papers included in this volume were organized in topical sections as follows: designing and evaluating VAMR environments; multimodal and natural interaction in VAMR; head-mounted displays and VR glasses; VAMR applications in design, the industry and the military; and VAMR in learning and culture.

This book constitutes the refereed proceedings of the 13th International Conference on Augmented Cognition, AC 2019, held as part of the 21st International Conference on Human-Computer

Interaction, HCII 2019, in Orlando, FL, USA in July, 2019. The 1274 full papers and 209 posters presented at the HCII 2019 conferences were carefully reviewed and selected from 5029 submissions. The papers cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of applications areas. The papers in this volume are organized in the following topical sections: cognitive modeling, perception, emotion and interaction; human cognition and behavior in complex tasks and environments; brain-computer interfaces and electroencephalography; and augmented learning.

This book constitutes the refereed proceedings of the 13th International Conference on Reversible Computation, RC 2021, which was held online during July 7-8, 2021. The 11 papers included in this book were carefully reviewed and selected from 21 submissions. The book also contains 2 invited talks in full-paper length, 3 work-in-progress papers and 1 tool paper. They were organized in topical sections named: programming and programming languages; reversible concurrent computation; theory and foundations; and circuit synthesis.

This book constitutes the refereed proceedings of the 13th International Conference on Interactive Digital Storytelling, ICIDS 2020, held in Bournemouth, UK, in November 2020. The 15 full papers and 8 short papers presented together with 5 posters, were carefully reviewed and selected from 70 submissions. The conference offers topics in game narrative and interactive storytelling, including the theoretical, technological, and applied design practices, narrative systems, storytelling technology, and humanities-inspired theoretical inquiry, empirical research and artistic expression.

This book constitutes the refereed proceedings of the 13th International Conference on Computational Collective Intelligence, ICCCI 2021, held in September/October 2021. The conference was held virtually due to the COVID-19 pandemic. The 58 full papers were carefully reviewed and selected from 230 submissions. The papers are grouped in topical issues on knowledge engineering and semantic web; social networks and recommender systems; collective decision-making; cooperative strategies for decision making and optimization; data mining and machine learning; computer vision techniques; natural language processing; Internet of Things: technologies and applications; Internet of Things and computational technologies for collective intelligence; computational intelligence for multimedia understanding.

Based on recent field research and excavation finds, the contributions in this volume focus on cultural practices and materials which reflect processes of integration, specification and diversification in the prehistory and early history of Southeast Asia. With chapters on the variability and distribution of lithic assemblages, funerary practices, the spread of Neolithic cultures and field agriculture, and the development of Metal Age remains, different approaches are presented to interpret these phenomena in their specific environmental context. Crossing Borders contains 25 papers presented at the 13th International Conference of the European Association of Southeast Asian Archaeologists (EurASEAA). Held in Berlin in 2010, the conference was jointly organized by the Institute of Ancient Near Eastern Archaeology at the Freie Universitat Berlin and the German Archaeological Institute. The peer-reviewed proceedings bring together archaeologists, art historians and philologists who share a common interest in Southeast Asia's early past.

This is a collection of papers presented at the 13th International Conference on Aluminum Alloys (ICAA-13), the premier global conference for exchanging emerging knowledge on the structure and properties of aluminum materials. The papers are organized around the topics of the science of aluminum alloy design for a range of market applications; the accurate prediction of material properties; novel aluminum products and processes; and emerging developments in recycling and applications using both monolithic and multi-material solutions.

This book gathers the proceedings of the 13th International Conference on Management Science and Engineering Management (ICMSEM 2019), which was held at Brock University, Ontario, Canada on August 5–8, 2019. Exploring the latest ideas and pioneering research achievements in management science and engineering management, the respective contributions highlight both theoretical and practical studies on management science and computing methodologies, and present advanced management concepts and computing technologies for decision-making problems involving large, uncertain and unstructured data. Accordingly, the proceedings offer researchers and practitioners in related fields an essential update, as well as a source of new research directions.

Over past few years, technologies have experienced boundaries getting blurred and concept of convergence to gain prominence. Harnessing from this, two main tracks for information processing management and communication are held, covering both research and application works of information management, intelligent information processing, interaction management, networking/ telecommunications, and social interaction. This book creates unique opportunity for research convergence among truly diverse technology domains of computer science. Leveraging from this diversity of topics, researchers get to generate novel research ideas by seeking application of their research in a different technology domain. This volume represents the collection of papers presented at the 13th International Conference on Ubiquitous Information Management and Communication (IMCOM 2019), held on 4-6 January 2019 in Phuket, Thailand. Out of 228 papers submitted from all around the world 88 papers were accepted for presentations. The 88 contributions to this volume are organized into 5 chapters: Chapter 1. Network Evolution, Chapter 2. Intelligent and Secure Network, Chapter 3. Image and Video Processing, Chapter 4. Information Technology and Society, and Chapter 5. Data Mining and Learning. Our editors wish readers to find this volume informative and enjoyable.

This book constitutes the refereed proceedings of the 13th International Conference on Intelligent Tutoring Systems, ITS 2016, held in Zagreb, Croatia, in June 2016. The 20 revised full papers, 32 short papers, 35 posters, and 7 young researchers' track papers presented in this volume were carefully reviewed and selected from 147 submissions. The specific theme of the ITS 2016 conference is "Adaptive Learning in Real World Contexts". ITS 2016 covers a wide range of topics such as: intelligent tutoring; informal learning environments, learning as a side effect of interactions; collaborative and group learning, communities of practice and social networks; simulation-based learning and

serious games; dialogue and discourse during learning interactions; co-adaptation between technologies and human learning; ubiquitous and mobile learning environments; empirical studies of learning with technologies, understanding human learning on the web; adaptive support for learning, models of learners, diagnosis and feedback; modeling of motivation, metacognition, and affect aspects of learning; recommender systems for learning; virtual pedagogical agents and learning companions; ontological modeling, semantic web technologies and standards for learning; multi-agent and service oriented architectures for learning and tutoring environments; educational exploitation of data mining and machine learning techniques; instructional design principles or design patterns for educational environments; authoring tools and development methodologies for advanced learning technologies; domain-specific learning technologies, e.g. language, mathematics, reading, science, medicine, military, and industry; non conventional interactions between artificial intelligence and human learning; and privacy and security in e-learning environments.

This volume contains the proceedings of the 13th International Conference on Damage Assessment of Structures DAMAS 2019, 9-10 July 2019, Porto, Portugal. It presents the expertise of scientists and engineers in academia and industry in the field of damage assessment, structural health monitoring and non-destructive evaluation. The proceedings covers all research topics relevant to damage assessment of engineering structures and systems including numerical simulations, signal processing of sensor measurements and theoretical techniques as well as experimental case studies.

These proceedings represent the work of researchers participating in the 13th International Conference on Cyber Warfare and Security (ICCWS 2018) which is being hosted this year by the National Defense University in Washington DC, USA on 8-9 March 2018.

This book constitutes the refereed proceedings of the 13th International Conference on Computer Vision Systems, ICVS 2021, held in September 2021. Due to COVID-19 pandemic the conference was held virtually. The 20 papers presented were carefully reviewed and selected from 29 submissions. cover a broad spectrum of issues falling under the wider scope of computer vision in real-world applications, including among others, vision systems for robotics, autonomous vehicles, agriculture and medicine. In this volume, the papers are organized into the sections: attention systems; classification and detection; semantic interpretation; video and motion analysis; computer vision systems in agriculture.

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