

rights and discipline, organized labor, and workplace safety and health. The reference resource for human resource directors, managers, and small business owners, as well as others in leadership positions.

This book explores a number of important issues in the area of occupational safety and hygiene. Presenting both research and best practices for the evaluation of occupational risk, safety and health in various types of industry, it particularly focuses on occupational safety in automated environments, innovative management systems and occupational safety in a global context. The different chapters examine the perspectives of all those involved, such as managers, workers and OSH professionals. Based on selected contributions presented at the 16th International Symposium on Occupational Safety and Hygiene (SHO 2020), held on 6–7 April, 2020, in Porto, Portugal, the book serves as a timely reference guide and source of inspiration to OSH researchers, practitioners and organizations operating in a global context.

This book provides an overview of the current advances in artificial intelligence and neural nets. Artificial intelligence (AI) methods have shown great capabilities in modelling, prediction and recognition tasks supporting human–machine interaction. At the same time, the issue of emotion has gained increasing attention due to its relevance in achieving human-like interaction with machines. The real challenge is taking advantage of the emotional characterization of humans' interactions to make computers interfacing with them emotionally and socially credible. The book assesses how and to what extent current sophisticated computational intelligence tools might support the multidisciplinary research on the characterization of appropriate system reactions to human emotions and expressions in interactive scenarios. Discussing the latest recent research trends, innovative approaches and future challenges in AI from interdisciplinary perspectives, it is a valuable resource for researchers and practitioners in academia and industry.

An Introduction to Antarctica

Handbook of Cloud Computing

5th International Conference, DTGS 2020, St. Petersburg, Russia, June 17–19, 2020, Revised Selected Papers

Exploring the Last Continent

Proceedings of International Conference on Advances in Computing

Intelligent Decision Support Systems—A Journey to Smarter Healthcare

This volume constitutes refereed proceedings of the 5th International Conference on Digital Transformation and Global Society, DTGS 2020, held in St. Petersburg, Russia, in June 2020. Due to the COVID-19 pandemic the conference was held online. The 30 revised full papers and 6 short papers presented in the volume were carefully reviewed and selected from 108 submissions. The papers are organized in topical sections on e-society: virtual communities and online activism; e-society: computational social science; e-polity: governance and politics on the Internet; e-city: smart cities and urban governance; e-economy: digital economy and consumer behavior; e-humanities: digital culture and education; e-health: international workshop "E-Health: 4P-medicine & Digital Transformation".

In today's digital age, online and mobile advertising are of growing importance, with advertising no longer bound to the traditional media industry. Although the advertising industry still has broader access to the different measures and channels, users and consumers today have more possibilities to publish, get informed or communicate - to "co-create" -, and to reach a bigger audience. There is a good chance thus that users and consumers are better informed about the objectives and persuasive tricks of the advertising industry than ever before. At the same time, advertisers can inform about products and services without the limitations of time and place faced by traditional mass media. But will there really be a time when advertisers and consumers have equal power, or does tracking users online and offline lead to a situation where advertisers have more information about the consumers than ever before? The volume discusses these questions and related issues.

This is the first International Conference on Advances in Computing (ICAdC-2012). The scope of the conference includes all the areas of New Theoretical Computer Science, Systems and Software, and Intelligent systems. Conference Proceedings is a culmination of research results, papers and the theory related to all the three major areas of computing mentioned above. Helps budding researchers, graduates in the areas of Computer Science, Information Science, Electronics, Telecommunication, Instrumentation, Networking to take forward their research work based on the reviewed results in the paper by mutual interaction through e-mail contacts in the proceedings.

Machine Medical Ethics

Systems Design for Remote Healthcare

Environment and the Politics of Oil in Northern Angola