

EDITORIAL

The IADIS International Journal on Computer Science and Information Systems (IJCSIS) is a peer-reviewed scientific journal published exclusively in an electronic format. Its mission is to publish original contributions pertaining to the topics of Information Systems and their uses, to disseminate knowledge amongst its readers and to be a reference publication. The IADIS IJCSIS publishes original research papers and review papers, as well as auxiliary material such as short ongoing research papers, case studies, conference reports, management reports, book reviews and commentaries.

Volume 19, Issue 2 (ISSN: 1646-3692) combines eight selected original papers that bring together researchers covering the wide spectrum of the area of Computer Science and Information Systems in different contexts. The authors' contributions embrace significant research topics and intend to provide a current depiction of the research in the field while opening the way to future research.

The first paper in this issue entitled "BEYOND TECHNOLOGY: BEHAVIOUR AND LEADERSHIP CHALLENGES IN DIGITAL BUSINESS TRANSFORMATION" written by Nina Evans focuses on digital business transformation (DBT). This study presents the results from some experts focus group, who work as the Enterprise Transformation (ET) team within various organisations with the purpose to explore their experiences concerning organisational behaviour and workplace politics exhibited during DBT.

The second paper, by Cláudio Keiji Iwata, Napoleão Verardi Galegale, Márcia Ito, Marília Macorin de Azevedo, Marcelo Duduchi Feitosa and Carlos Hideo Arima, entitled "A SYSTEMATIC MAPPING REVIEW ON DATA CLEANING METHODS IN BIG DATA ENVIRONMENTS", has the purpose to examine data cleaning methods applied in Big Data environments by conducting a systematic review. The authors identify the main data cleaning techniques used in Big Data, assess their effectiveness, and explore their applicability across different industrial areas.

The third paper, by Jelena Duras Gled and Ljerka Luic with the title "DIGITAL IDENTITY FROM THE PERSPECTIVE OF GENERATION X MUSICIANS", explores how Generation X musicians see digital transformation in the development of their digital identity within the digital age. It is presented how Generation X musicians perceive the transition process in developing their musical identity using traditional and digital approaches.

The fourth paper authored by Christopher Pandolfi, Xavier Massé, Ana Rita Morais, Yefri Ventura, Marko Cigljarjev and Angela Jerath entitled "INTEGRATING SYSTEMS AND DESIGN THINKING IN HEALTHCARE: A USER-CENTRED PERSPECTIVE", focuses on the application of design thinking to examine healthcare systems, with a specific emphasis on the pre-surgical process. This study presents different tools for engaging stakeholders in pre-surgical care.

The fifth paper, entitled “TOPOLOGICAL DATA ANALYSIS FOR SELECTION OF MACHINE LEARNING MODELS IN CEREBRAL STROKE DETECTION WITH LIMITED RESOURCES” by Aleksandra Vatian, Natalia Gusarova, Ivan Tomilov, Pavel Brunko and Alexey Zubanenko, introduces a method for evaluating the degree of informativeness of SNNs (Siamese neural networks) using topological data analysis, which helps to portray the differences between 2D and 3D modalities and thus enhance the choice of neural network architecture when classifying medical images.

The sixth paper, with the title “CASE STUDY IN GENERATIVE ADVERSARIAL NETWORKS FOR TEXTILE PATTERNS GENERATION”- authored by Diogo Araújo, Rita Gomes, Ivan Gomes, Luís Romero and Pedro Miguel Faria, focuses on the application and assessment of generative models for the generation of textile designs using Generative Adversarial Networks (GANs). The authors present two models to answer the problem of unique textile pattern generation.

In the seventh paper, authored by Lisa Graichen and Matthias Graichen, entitled “THE ERGONOMICS OF MID-AIR GESTURES IN VIRTUAL REALITY - HAND CHARACTERISTICS, GESTURE RECOGNITION FAILURES AND THE FEELING OF IMMERSION”, the authors try to explore whether it is possible to identify systematic reasons for the errors in gesture recognition that they observed in previous studies and their influence on user experience.

The eighth and final paper, by Gridaphat Sriharee, entitled “FEATURE SELECTION METHODOLOGY FOR ML STOCK PREDICTIONS USING SET50 OF THE STOCK EXCHANGE OF THAILAND”, presents the findings of a preliminary study performed to examine which technical indicators work well for which Machine Learning models with SET50 (Stock Exchange of Thailand) stocks.

These papers illustrate the different facets of research done in different contexts of Computer Science and Information Systems. The review of the relevant literature contributes to the theoretical grounding of these areas, and the innovative empirical research on different technologies creates the opportunity for the development of innovative findings.

The Editors

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