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Nota di contenuto	Intro -- Foreword -- Preface -- Acknowledgements -- Contributors -- Organizing Committee -- Executive Committee -- Scientific and Academic Committee -- Technical Reviewers Committee -- Contents -- Internet of Things Using Smartphone Sensors to Track Dangerous Goods -- 1 Introduction -- 2 Related Works -- 2.1 Tracking Devices Embedded in Trucks -- 2.2 VANETs -- 2.3 Smartphones -- 2.4 Smartphones Sensors -- 2.5 Smartphone Orientation -- 2.6 Mobile Applications -- 3 Comparative Analysis: Embedded Modem × Smartphone × VANETs -- 3.1 Comparative Analysis: Embedded Modem × Smartphone -- 3.2 Comparative Analysis: Cellular Networks × VANETs -- 4 The Proposed Solution for Hazardous Cargo Transportation Management -- 5 Simulation Results -- 6 Conclusion -- References -- A Smartphone-Based Solution to Manage Hazardous Materials Transportation: A Review -- 1 Introduction -- 2 Review of Relevant Literature -- 2.1 Mobile Location-Based Solutions Related to the Traffic of Vehicles -- 2.2 Smartphone-Based Solution for Vehicle Accidents -- 2.3 Dangerous Goods Solutions with Dedicated In-Vehicle

Devices -- 2.4 Dedicated In-Vehicle Devices to Providing Tracking Solutions -- 3 Application and Discussion -- 3.1 Smartphone Application to Manage the Hazmat Transportation -- 3.2 False-Positive Avoidance -- 4 Conclusions -- References -- Industrial Technological Process for Welding AISI 301 Stainless Steel: Focus on Microstructural Control -- 1 Introduction -- 2 Experimental -- 3 Results and Discussions -- 4 Conclusions -- References -- A Critical Overview of Development and Innovations in Biogas Upgrading -- 1 Introduction -- 2 Fundamentals of Anaerobic Digestion -- 3 German Scenario of Biogas Production -- 4 Brazilian Scenario of Biogas Production -- 5 Biogas Purification -- 5.1 Water-Washing Systems -- 5.2 Pressure Swing Adsorption (PSA) -- 5.3 Membrane Separation.
5.4 Amine Scrubbing -- 6 Production Costs -- 7 Conclusions -- References -- Horizontal Curves with Transition. The Use of This Methodology for the Calculation of a Road Project in the City of Campinas/SP - Brazil -- 1 Introduction -- 2 Methodology -- 3 Background Knowledge and Results -- 4 Conclusion -- References -- Artificial Neural Network-Based Committee Machine for Predicting the Slag Quality of a Blast Furnace Fed with Metallurgical Coke -- 1 Introduction -- 2 Research Method -- 3 Results and Discussions -- 4 Conclusions -- References -- Lean 4.0: Digital Technologies as Strategies to Reduce Waste of Lean Manufacturing -- 1 Introduction -- 2 Theoretical Framework -- 3 Methodology -- 4 Results and Discussion -- 5 Conclusion -- References -- Drying Shrinkage of Fiber Reinforced Concrete Under Restrained Conditions: A Systematic Mapping Study -- 1 Introduction -- 2 Methodology -- 3 Results and Discussions -- 4 Conclusions -- References -- NACA 0012 Aeroacoustic Study Using ANSYSFluent -- 1 Introduction -- 2 Numerical Procedure -- 2.1 Software Simulation -- 2.2 Geometry -- 2.3 Meshing -- 2.4 Flow Validation -- 2.5 Acoustic Validation -- 3 Results and Conclusions -- References -- Structural Analysis of Bridges and Viaducts Using the IoT Concept. An Approach on Dom Pedro Highway (Campinas - Brazil) -- 1 Introduction -- 2 Theoretical Background -- 2.1 Building a Bridge -- 2.2 IoT - Internet of Things -- 3 Scientific Research -- 3.1 Investigative Methodology -- 3.2 Proposed Methodology -- 4 Field Research -- 4.1 Manoel Aveiro Viaduct -- 4.2 Dr. Roberto Rocha Brito Viaduct -- 5 Final Consideration -- References -- Analyzing Optimal Operating Points of Air and Water-Cooled Chillers Used in an Office Building -- 1 Introduction -- 2 Description of the Mathematical Model of the Cooling Tower -- 3 Simulation Results -- 4 Conclusions -- References.
Prop Walls: A Contextualization of the Theme in a Case Study in the City of Campinas (Brazil) -- 1 Introduction -- 2 Theoretical Background -- 3 Metrics for Wall Construction -- 3.1 Masonry Walls -- 3.2 Cyclopian Masonry Walls -- 3.3 Gabion Walls -- 3.4 Crib Walls -- 3.5 Soil-Cement Sacks Walls -- 3.6 Walls of Tires -- 3.7 Bending Walls -- 4 Field Research -- 4.1 Bending Prop Wall -- 4.2 Gabion Prop Wall -- 4.3 Comparisons -- 5 Conclusion -- References -- The Adoption of Industry 4.0 Technologies: Its Benefits for Companies in the Brazilian Automotive Sector -- 1 Introduction -- 2 Theoretical Foundation -- 2.1 Industry 4.0 Concepts and Technologies -- 2.2 Benefits Management and Benefits Dependency Network -- 2.3 Digital Transformation and Benefits of Adopting Industry 4.0 Technologies in the Automotive Sector -- 3 Research Method -- 4 Results Analysis -- 4.1 Profile of Companies and Their Benefits Dependency Networks (BDNs) -- 4.2 Comparison Between Toyota and Bosch Elements -- 4.3 Benefits Analysis -- 5 Conclusion -- References -- V4: A New Method for CNNs Inspired by Trichromacy Perception -- 1 Introduction -- 2

Background -- 3 Methods -- 3.1 Color Responsiveness -- 3.2 V4 Method -- 4 Experiments and Results -- 4.1 Experiment 1 - Color Responsiveness (CR) -- 4.2 Experiment 2 - Merging Color Information -- 4.3 Experiment 3 - Evaluating V4 -- 4.4 Computational Expenses -- 5 Conclusion -- References -- Proposal for a Low-Cost Reader for Chipless RFID Tags Using PLUTOSDR -- 1 Introduction -- 2 Literature Review -- 2.1 Tags and Reader Chipless -- 2.2 SDR -- 2.3 ADALM-PLUTO -- 2.4 GNU Radio -- 3 Methodology -- 3.1 GNU Radio Implementation -- 4 Results -- 5 Conclusion -- References -- Telemanagement and Its Benefits to Energy, Environment, and Society: A Case Study in Street Lighting -- 1 Introduction -- 2 Theoretical Development.
2.1 Remote Management -- 2.2 Smart City -- 2.3 Internet of Things -- 2.4 Smart Grid -- 3 Contributions to SDGs and the Current Scenario of Public Lighting -- 4 Analysis and Discussions -- 5 Conclusion -- References -- Digital Technologies Adoption to Face COVID-19 Pandemic: An Exploratory Approach -- 1 Introduction -- 2 Theoretical Framework -- 3 Methodology -- 4 Results and Discussion -- 5 Conclusion -- References -- Particle Swarm Optimization in Smart Grid Load Management -- 1 Introduction -- 2 System Model and PSO Technique -- 3 Problem Description -- 4 Results and Discussions -- 4.1 Integer Linear Programming -- 4.2 Particle Swarm Optimization -- 5 Conclusion -- References -- Tracking System for Inspection and Analysis Using the ToF Method Supported by Automatic Calibration -- 1 Introduction -- 2 Materials and Methods -- 3 Tracking Development System -- 4 Conclusion -- References -- Comparison Between PO, PSO, and FPA Techniques Applied to MPPT of a Low-Power Photovoltaic System for LPWA Devices -- 1 Introduction -- 2 Characterization of the Photovoltaic Module -- 3 Extraction of the Equivalent Circuit Parameters -- 4 Analyzed MPPT Techniques -- 4.1 PO Method -- 4.2 PSO Method -- 4.3 FPA Method -- 5 Analyzed MPPT Techniques -- 6 Conclusion -- References -- The Integration of Alteryx®and Microsoft Power BI®: A Case Study -- 1 Introduction -- 2 The Alteryx Designer® -- 3 Methodology -- 4 Results and Discussion -- 5 Conclusion -- References -- Monitoring and Control of Electrical Machines Using IoT -- 1 Introduction -- 2 Background -- 3 Development -- 4 Results -- 5 Conclusions -- References -- Institutional Development Index (IDI): Calculation for Municipalities in the Metropolitan Region of Campinas (Brazil) -- 1 Introduction -- 2 Theoretical Review -- 2.1 Sustainable Development Versus Sustainability -- 2.2 Indicators Versus Indices.
2.3 IDI and Institutional Sustainability -- 3 Methodology -- 4 Results and Discussion -- 5 Conclusions -- References -- Data Security, Privacy, and Regulatory Issues: A Conceptual Approach to Digital Transformation to Smart Cities -- 1 Introduction -- 2 Information and Communication Technologies - ICTs -- 3 Smart Cities -- 4 Internet Governance -- 5 Main Bodies Responsible for Regulatory Aspects -- 6 Brazilian Regulations -- 7 Final Considerations -- References -- Outcomes of a Parameter Sensitivity Analysis of a CT Measurement Process Through a Digital Model -- 1 Introduction -- 2 Virtual Measurement Scene -- 2.1 Brief Description of the Digital Model -- 2.2 Virtual Experimental Setup -- 3 Virtual Analysis Findings -- 3.1 Number of Angular Poses -- 3.2 Detector Noise and Image Averaging -- 4 Concluding Remarks -- References -- Applying Data Mining Clustering on Web Server Logs to Identify and Analyze Robots' Behavior -- 1 Introduction -- 2 Methodology -- 3 Results -- 3.1 Sessions Creation -- 3.2 Feature Extraction and Session Labeling -- 3.3 Feature Selection -- 3.4 K-Means Clustering -- 3.5 DBSCAN Clustering -- 3.6

Hierarchical Agglomerative Clustering -- 4 Discussion -- 5 Conclusions -- References -- Adequacy Map for Offshore Wind Farm Implementation in the Campos Basin Region in Brazil -- 1 Introduction -- 2 Methodology -- 3 Results and Discussion -- 4 Conclusions -- References -- Optimal Placement of EV Charging Stations Using a Dedicated, Two-Level Teaching-Learning-Based Optimization Algorithm -- 1 Introduction -- 2 Theoretical Background -- 2.1 Facility Placement -- 2.2 Placement of CSs -- 2.3 Mathematical Model -- 2.4 Teaching-Learning-Based Optimization (TLBO) -- 2.5 Two-Level TLBO -- 2.6 Teacher Improvement - A Dedicated Approach -- 2.7 Other Implementation Details -- 3 Simulation Results -- 3.1 Case 1 -- 3.2 Case 2 -- 4 Conclusion.
References.

Sommario/riassunto

This book presents the Proceedings of The 7th Brazilian Technology Symposium (BTSym'21). The book discusses current technological issues on Systems Engineering, Mathematics and Physical Sciences, such as the Transmission Line, Protein-modified mortars, Electromagnetic Properties, Clock Domains, Chebyshev Polynomials, Satellite Control Systems, Hough Transform, Watershed Transform, Blood Smear Images, Toxoplasma Gondi, Operation System Developments, MIMO Systems, Geothermal-Photovoltaic Energy Systems, Mineral Flotation Application, CMOS Techniques, Frameworks Developments, Physiological Parameters Applications, Brain Computer Interface, Artificial Neural Networks, Computational Vision, Security Applications, FPGA Applications, IoT, Residential Automation, Data Acquisition, Industry 4.0, Cyber-Physical Systems, Digital Image Processing, Patters Recognition, Machine Learning, Photocatalytic Process, Physical-chemical analysis, Smoothing Filters, Frequency Synthesizers, Voltage Controlled Ring Oscillator, Difference Amplifier, Photocatalysis, Photodegradation, current technological issues on Human, Smart and Sustainable Future of Cities, such as the Digital Transformation, Data Science, Hydrothermal Dispatch, Project Knowledge Transfer, Immunization Programs, Efficiency and Predictive Methods, PMBOK Applications, Logistics Process, IoT, Data Acquisition, Industry 4.0, Cyber-Physical Systems, Fingerspelling Recognition, Cognitive Ergonomics, Ecosystem services, Environmental, Ecosystem services valuation, Solid Waste and University Extension.