



IEEE Latin America Transactions

OCTOBER 2021, Volume 19 Issue 10

IEEEExplore, DOI, ISI, ISSN 1548-0992

Issue with Special Section on 5G and 5GB Communications.

Table of Contents	1608
Hybrid MPPT Technique PSO-P&O Applied to Photovoltaic Systems Under Uniform and Partial Shading Conditions	
S. N. Figueiredo and R. N. A. L. S. Aquino.....	1610
Dynamic Dispatch Algorithm Proposal for Last- Mile Delivery Vehicle	
D. O. Mota.....	1618
Residential Charging Scheduling of Electric Vehicles in Brazilian Context	
J. P. Sausen and A. R. Abaide.....	1624
Performance Evaluation of Symmetric Cryptographic Algorithms in Resource Constrained Hardware for Wireless Sensor Networks	
J. C. Gonzalez-Arango, D. C. Ocampo-Munera, L. Castano-Londono, D. Goetz-Sanchez and R. Velasquez-Velez	1632
Well-Being Analysis Applied to the Study of Composite Systems Flexibility Considering Wind Energy Sources	
L. C. Resende, R. F. Nascimento, W. S. Sales, F. A. Assis and L. C. Nascimento.....	1640
Analysis of Turbine Flow through Synchronous Generators to Supply Reactive Energy Generation in the Brazilian Electrical System	
W. Ragnev, J. R. Camacho and I. S. Peretta.....	1648
A High Resolution Image Based Approach for Estimating the Canopy Cover of a Semi- Deciduous Brazilian Atlantic Forest Fragmen	
T. Yamada, E. C. Pedrino, M. C. Nicoletti and L. E. Moschini.....	1657
Passive Islanding Detection Based on Angular Velocity Harmonic Patterns with Perceptron Neural Network	
K. Maresch, G. Marchesan and L. F. Freitas-Gutierrez.....	1665
A Variable Neighborhood Descent Approach for Electrical Grids as an Overload Reduction Method	
H. O. Caetano, C. D. Maciel, M. Bessani and L. Desuó N.....	1674
Development of an Embedded Longitudinal Flight Control Based on X-Plane Flight Simulator	
L. C. F. Henriques and C. P. de Souza.....	1684
A New Method to Build an Associative Memory Model	
A. G. Carranza and J. L. Díaz de León.....	1692

Special Section on 5G and 5GB Communications

5G and Beyond: Past, Present and Future of the Mobile Communications	
C. A. Gutierrez, O. Caicedo and D. U. Campos-Delgado.....	1702
An Approach Based on Knowledge-Defined Networking for Identifying Video Streaming Flows in 5G Networks	
L. M. Castañeda-Herrera, A. Duque-Torres and W. Y. Campo-Muñoz.....	1737
Modelling and Analysis of 5G Networks Based on MEC-NFV for URLLC Services	
C. B. B. de Souza, M. R. M. Falcão, A. M. Balieiro and K. L. Dias.....	1745
An Application of 8-APSK Modulation for the Uplink using SVD-SCMA	
S. Vidal-Beltrán, J. L. López-Bonilla and F. Martínez-Piñón	1754
An Edge-Cloud Approach for Video Surveillance in Public Transport Vehicles	
I. Quintana, L. Sequeira and J. Ruiz-Mas.....	1763
Algorithm for 5G Resource Management Optimization in Edge Computing	
D. D. Lieira, M. S. Quessada, A. L. Cristiani and R. I. Meneguette.....	1772
Self Interference Cancellation on a Full Duplex DFTs-OFDM System using GNU Radio and USRP	
S. Armas-Jimenez, J. Sanchez-Garcia and F. R. Castillo-Soria.....	1781
Multilayer Extreme Learning Machine as Equalizer in OFDM-Based Radio-Over-Fiber Systems	
D. Zabala-Blanco, M. Mora, C. A. Azurdia-Meza, A. Dehghan-Firoozabadi, P. Palacios-Játiva and Samuel Montejo-Sánchez.....	1790
Demonstration of a Sub-Pixel Outdoor Optical Camera Communication Link	
V. Matus, V. Guerra, C. Jurado-Verdu, J. Rabadan, and R. Perez-Jimenez.....	1798