

2015

1. **(A1)** VARGAS, A. N. ; ACHO, L. ; PUJOL, G. ; COSTA, E. F. ; ISHIHARA, JOÃO Y. ; João Bosco Ribeiro do Val . Output feedback of Markov jump linear systems with no mode observation: An automotive throttle application. International Journal of Robust and Nonlinear Control (Print), v. PP, p. 1-1, 2015.
2. **(A1)** MENEGAZ, H. M. ; Ishihara, J. Y. ; BORGES, G. A. ; Vargas, A. N. . A Systematization of the Unscented Kalman Filter Theory. IEEE Transactions on Automatic Control (Print), 2015.
3. **(A2)** PUJOL, G. ; VIDAL, Y. ; ACHO, L. ; Vargas, A. N. . Asymmetric Modelling and Control of an Electronic Throttle. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2015.
4. **(A2)** Vargas, Alessandro N. ; BORTOLIN, D. C. ; Costa, Eduardo F. ; João Bosco Ribeiro do Val . Gradient-based optimization techniques for the design of static controllers for Markov jump linear systems with unobservable modes. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2014.
5. **(A1)** BRITO, M. A. G. ; SAMPAIO, L. P. ; MELO, G. A. ; CANESIN, C.A. . Three-Phase Tri-State Buck-Boost Integrated Inverter for Solar Applications. IET Renewable Power Generation (Print), 2014
6. **(A2)** CUNHA PALÁCIOS, RODRIGO H. ; DA SILVA, IVAN NUNES ; Goedtel, Alessandro ; GODOY, WAGNER F. . A comprehensive evaluation of intelligent classifiers for fault identification in three-phase induction motors. Electric Power Systems Research (Print), v. 127, p. 249-258, 2015
7. **(A1)** GODOY, WAGNER FONTES ; DA SILVA, IVAN NUNES ; Goedtel, Alessandro ; CUNHA PALÁCIOS, RODRIGO HENRIQUE . Evaluation of stator winding faults severity in inverter-fed induction motors. Applied Soft Computing (Print), v. 32, p. 420-431, 2015.
8. **(B1)** SCHMITT, HELDER LUIZ ; SCALASSARA, PAULO ROGÉRIO ; Goedtel, Alessandro ; ENDO, WAGNER . Detecting Bearing Faults in Line-Connected Induction Motors Using Information Theory Measures and Neural Networks. Journal of Control, Automation and Electrical Systems, v. 26, p. 533-544, 2015
9. **(A1)** SUMAR, RODRIGO R. ; COELHO, ANTONIO A.R. ; Goedtel, Alessandro . Multivariable system stabilization via discrete variable structure control. Control Engineering Practice, v. 40, p. 71-80, 2015.
10. **(B1)** COSTA, Bruno Leandro Galvão ; ANGÉLICO, Bruno Augusto ; GOEDTEL, ALESSANDRO ; CASTOLDI, MARCELO FAVORETTO ; GRACIOLA, CLAYTON LUIZ . Differential Evolution Applied to DTC Drive for Three-Phase Induction Motors Using an Adaptive State Observer. Journal of Control, Automation and Electrical Systems, 2015.
11. **(B5)** COLON, D. ; Angelico, Bruno A. ; BALTHAZAR, J. M. . Robust Control of a Variable Speed Control Moment Gyroscpe. Mathematics in Engineering, Science and Aerospace: the transdisciplinary international journal, v. 6, p. 453-477, 2015
12. **(A2)** ZULAI, L. ; Durand, Fábio R. ; Taufik Abrão . Energy-Efficient Next Generation Passive Optical Networks based on Sleep Mode and Heuristic Optimization. Fiber and Integrated Optics (Print), 2015.
13. **(B2)** DURAND, F. R. ; Abrão, Taufik . Energy Efficiency Analysis in Adaptive FEC-Based Lightpath Elastic Optical Networks. Journal of Circuits, Systems, and Computers, v. 24, p. 1550133, 2015
14. **(A2)** SANTOS, A. J. ; Durand, Fábio R. ; Abrão, Taufik . Mitigation of Environmental Temperature Variation Effects in OCDMA Networks Using PSO Power Control. Journal of Optical Communications and Networking (Print), v. 7, p. 707, 2015
15. **(B2)** Garcia, L ; Melo, L ; Vechia D. ; Cavali, T. ; Durand, Fábio Renan ; Abrão, Taufik . The Impact of Geographic Distribution in Passive Optical Network with Optical CDMA. Revista IEEE América Latina, v. 13, p. 2152-2158, 2015.
16. **(B1)** SANCHES, Danilo Sipoli ; SILVA ROCHA, JOSIMAR DA ; CASTOLDI, Marcelo Favoretto ; MORANDIN, ORIDES ; KATO, EDILSON REIS RODRIGUES . An Adaptive Genetic Algorithm for Production Scheduling on Manufacturing Systems with Simultaneous Use of Machines and AGVs. Journal of Control, Automation and Electrical Systems, v. 26, p. 225-234, 2015.
17. **(B5)** OLIVEIRA, F. M. ; SILVA, S. A. O. ; DURAND, F. R. ; SAMPAIO, L. P. . Maximum Power Point Tracking Technique Based on Particle Swarm Optimization Method Applied to a Single-Phase Grid-Tied Photovoltaic System. Renewable Energy & Power Quality Journal (RE&PQJ), v. 13, p. 1-6, 2015.
18. **(B1)** MODESTO, R. A. ; SILVA, S. A. O. ; OLIVEIRA JR., A. A. . Estudo e Implementação de um Condicionador Unificado de Qualidade de Energia Dual Utilizando Conversores Four-Leg. Revista Eletrônica de Potência, 2015.
19. **(B1)** SILVA, S. A. O. ; CAMPANHOL, L. B. G. ; BACON, V. D. ; SAMPAIO, L. P. . Single-phase Grid-connected Photovoltaic System With Active Power Line Conditioning. Revista Eletrônica de Potência, 2015.

20. **(A1)** BACON, V. D. ; **SILVA, S. A. O.** . Performance Improvement of a Three-Phase Phase-Locked-Loop Algorithm under Utility Voltage Disturbances Using Non-Autonomous Adaptive Filters. IET Power Electronics (Print), 2015.
21. **(A1)** MODESTO, R. A. ; SILVA, S. A. O. ; OLIVEIRA JR., A. A. . Power Quality Improvement Using a Dual UPQC/UPS in Three-Phase Four-Wire Systems. IET Power Electronics (Print)
22. **(B5)** SAMPAIO, L. P. ; **SILVA, S. A. O.** . Robust Control Applied to a Photovoltaic Array Emulator Using Buck Converter. Renewable Energy & Power Quality Journal (RE&PQJ), v. 1, p. 1-6, 2015.