

Dr. Patrick GUERIN

University of Nantes, France

Selected Scholarly Contributions [Data Provided by **Scopus**]

Souffran, G., Miegeville, L., Guerin, P.

Simulation of real-world vehicle missions using a stochastic markov model for optimal powertrain sizing
(2012) IEEE Transactions on Vehicular Technology, 61 (8), art. no. 6227377, pp. 3454-3465.

Roblot, G., Baumann, C., Guerin, P.

A new approach based on statistical modeling of electrical consumption for electrical generator demand estimation
(2011) SAE Technical Papers, .

Souffran, G., Miègerville, L., Guérin, P.

Simulation of real-world vehicle missions using a stochastic Markov model for optimal design purposes
(2011) 2011 IEEE Vehicle Power and Propulsion Conference, VPPC 2011, art. no. 6043130, .

Roblot, G., Guérin, P., Baumann, C.

Statistical approach for electrical generator consumption in an aeronautical purpose
(2011) Proceedings of the 2011 3rd International Youth Conference on Energetics, IYCE 2011, art. no. 6028280, .

Souffran, G., Miègerville, L., Guérin, P.

Power sources sizing for hybrid vehicles based on a stochastic modeling of driving missions
(2011) Proceedings of the 2011 3rd International Youth Conference on Energetics, IYCE 2011, art. no. 6028285, .

Aubertin, M., Henneron, T., Piriou, F., Guérin, P., Mipo, J.-C.

Periodic and anti-periodic boundary conditions with the lagrange multipliers in the FEM
(2010) IEEE Transactions on Magnetics, 46 (8), art. no. 5512954, pp. 3417-3420.

Aubertin, M., Henneron, T., Boiteau, O., Piriou, F., Guerin, P., Mipo, J.-C.

Single and Double Lagrange multipliers approaches applied to Scalar potential formulation in magnetostatic FEM
(2010) Przeglad Elektrotechniczny, 86 (5), pp. 119-122.

Guérin, P., Miègerville, L., Souffran, G.

Forecasting of power demands using a stochastic approach: Application to isolated and on board systems [Prévision des consommations de puissance selon une approche stochastique: Application aux réseaux îlotés et embarqués]
(2009) European Journal of Electrical Engineering, 12 (5-6), pp. 785-809.

Belhaj, M., Guérin, P., Zaïm, M.E., Abdeljalil, L.

Influence of the frequential identification tests on the induction machine modelling
(2009) EPJ Applied Physics, 47 (3), art. no. ap08275, .

Belhaj, M., Guérin, P., Zaïm, M.E.
An harmonic model of the induction machine supplied by non sinusoidal voltages
(2008) EPJ Applied Physics, 43 (2), pp. 189-195.

Bourguet, S., Guerin, P., Rannou, C.
Interharmonics injected by current source inverters of a ship's propulsion system
(2008) EPJ Applied Physics, 41 (2), pp. 173-179.

Guérin, P., Miègerville, L.
Optimal placement and sizing of harmonic filters aboard an electric propulsion ship
(2007) IET Generation, Transmission and Distribution, 1 (4), pp. 613-618.

Belhaj, M., Guérin, P., Zaïm, E.H.
Comparison of measurement methods for the induction machine frequential modelling
(2006) IECON Proceedings (Industrial Electronics Conference), art. no. 4153493, pp. 1493-1497.

Miègerville, L., Guérin, P.
Identification of the time-varying pattern of periodic harmonics
(2006) IEEE Transactions on Power Delivery, 21 (2), pp. 845-851.

Ngandui, È., Guérin, P.
Influence of DC ripple and commutation on the probabilistic harmonic models of multiple AC/DC converters
(2004) 2004 11th International Conference on Harmonics and Quality of Power, pp. 619-624.

Bourguet, S., Guérin, P., Le Doeuff, R.
Analysis of the interharmonics generated by a ship propulsion system
(2004) 2004 11th International Conference on Harmonics and Quality of Power, pp. 465-470.

Bourguet, S., Guérin, P., Le Doeuff, R.
Non-characteristic harmonics generated by frequency converters
(2003) Institute of Marine Engineering, Science and Technology, IMarEST - Conference Proceedings, pp. 285-294.

Miègerville, L., Guérin, P.
Analytical model for assessment of the line harmonic currents generated by a variable speed drive
(2001) European Transactions on Electrical Power, 11 (1), pp. 57-64.

Miegeville, L., Guerin, P., Le Doeuff, R.
Statistical assessment of the harmonic contribution to overload effects
(1998) IEE Conference Publication, (456), pp. 668-673.

Guerin, P., Machmoum, M., Le Doeuff, R.
Stochastic study of line harmonic currents produced by rectifiers
(1998) Mathematics and Computers in Simulation, 46 (3-4), pp. 387-396.

Guerin, P., Machmoum, M., Le Doeuff, R.

[Probability distributions of harmonic currents in multiple phase-controlled loads](#)

(1995) PESC Record - IEEE Annual Power Electronics Specialists Conference, 2, pp. 1021-1027.

Guerin, P., Machmoum, M., Benkhoris, M.F., Le Doeuff, R.

[Harmonics in multiple light dimmer systems](#)

(1994) IEEE Workshop on Computers in Power Electronics, pp. 313-318.