

Κατάλογος δημοσιεύσεων Ι. Πrousalίδη

1. PhD Dissertation

Contribution to the development of 3-phase power transformer and power circuit breaker models for fast electromagnetic transients, NTUA, 1997.

2 List of publications of J. Prousalidis

2.I Peer reviewed journal papers

2.I.1 N.D. Hatziargyriou, J.M. Prousalidis, B.C. Papadias, "*A Generalised Transformer Model Based on the Analysis of its Magnetic Core Circuit*", IEE Proceedings C, Generation Transmission & Distribution, (paper No: 9285C), Vol. 140, No. 4, July 1993, pp. 269-278.

2.I.2 B.C. Papadias, N.D. Hatziargyriou, J.A. Bakopoulos, J.M. Prousalidis, "*Three Phase Transformer Modelling For Fast Electromagnetic Transient Studies*", (paper No 93 SM 396-2 PWRD) IEEE Transactions on Power Delivery, Vol. 9, No.2, April 1994, pp. 1151-1159.

2.I.3 J.M. Prousalidis, N.D. Hatziargyriou, B.C. Papadias, "*Representation of Hysteresis in Three-Phase Transformer Models for Electromagnetic Transients*", IEE Proceedings on Electric Power Applications, Vol. 143, No. 4, July 1996, pp. 331-338.

2.I.4 J.M. Prousalidis, N.D. Hatziargyriou, A.C. Kladas, "*Iron Lamination efficient representation in power transformers*", Journal of Materials Processing Technology, Vol. 108, (2001), issue 2, pp. 217-220.

2.I.5 S. Spagkouros, J. Prousalidis, "*Electric Power Quality problems in ship systems: A classification method*", IASME TRANSACTIONS, Issue 3, Volume 1, July 2004, pp. 437-444.

2.I.6 M. Moschakis, J. Prousalidis, N. Hatziargyriou, "*Performance Assessment of STC used for Alternative Naval Power Supplying Units* ", IASME TRANSACTIONS, Issue 2, Volume 1, April 2004, pp.394-399.

2.I.7 J. Prousalidis, "*Introducing an Effective Method for Teaching Power Electronics in Marine Electrical Engineering Courses* ", IASME TRANSACTIONS, Issue 4, Volume 2, October 2005, pp.323-328.

2.I.8 Shozo Sekioka, Maria I. Lorentzou, Maria P. Philippakou, and John M. Prousalidis, "*Current-Dependent Grounding Resistance Model Based on Energy Balance of Soil Ionization*", IEEE Transactions On Power Delivery, Vol. 21, No. 1, January 2006, pp. 194-201.

2.I.9 J. Prousalidis, E. Styvaktakis, “*Introducing a classification method of Voltage dips in ship electric energy systems*”, “The Journal of Marine Engineering & Technology (Part A11)”, IMarEST, London (UK), April 2008, pp 53-62.

2.I.10 J. Prousalidis, E. Styvaktakis, I.K. Hatzilau, F. Kanellos, S. Perros, E. Sofras, “*Electric power supply quality in ship systems – An overview*”, International Journal of Ocean Systems Management (IJOSM), Special Issue on Sustainable Sea Transportation: The New Research Agenda on Sustainable Ocean Systems, Inderscience Publishers, Geneve (Switzerland), Vol. 1, No.1, pages 68-82.

2.I.11 J. Prousalidis, E. Xanthopoulos, C. Voutzoulidis, "On reactive power sharing in ship energy systems with shaft generators", The Journal of Marine Engineering & Technology (Part A13), IMarEST, London (UK), February 2009, pp 21-38

2.I.12 G. J. Tsekouras, I. K. Hatzilau, J. M. Prousalidis, "A new pattern recognition methodology for classification of load profiles for ships electric consumers", "The Journal of Marine Engineering & Technology (Part A14)", IMarEST, London (UK), April 2009, pp 45-54.

2.I.13 J. Prousalidis, P. Mouzakis, “*Analysis of Electric Power Demands of Podded Propulsors*”, The Journal of Marine Engineering & Technology (Part A14)", IMarEST, London (UK), January 2010, pp3-16.

2.I.14 J. Prousalidis, “*On investigating the influence of Zero sequence impedance in ship ungrounded electric networks*”, The Journal of Marine Engineering & Technology (Part A14)", IMarEST, London (UK), September 2010, pp3-16.

2.I.15 C. Patsios, Ev. Tsambouris, A. Chaniotis, A. Kladas, and J. Prousalidis: “*Coupled Field and Circuit Model Analysis of Permanent Magnet Synchronous Machine for Direct Torque Control Optimization*”, Journal of Material Science Forum, Volume 670, Applied Electromagnetic Engineering, DOI: 10.4028/www.scientific.net /MSF.670.265, December 2010, pp. 265-272.

2.I.16 J. Prousalidis: “*The necessity of reactive power balance in ship electric energy systems*”, IMarEST Journal of Marine Engineering and Technology, Vol. 10, January 2011, pp. 37-47.

2.I.17 F. Kanellos, G. Tsekouras, J. Prousalidis, I. Hatzilau “*An effort to formulate frequency modulation constraints in ship-electrical systems with pulsed loads*”, IET Journal of Electrical Systems in Transportation, Vol.1, Issue 1, March 2011, pp. 11-23, DOI: 10.1049/iet-est.2010.0050.

2.I.18 F. Kanellos, G. Tsekouras, J. Prousalidis, I. Hatzilau “*An effort to formulate voltage modulation constraints in ship-electrical systems with pulsed loads*”, IET Journal of

Electrical Systems in Transportation, Vol.2, Issue 1, March 2012, pp. 18-28. DOI: 10.1049/iet-est.2010.0068.

2.I.19 G. J. Tsekouras, F. D. Kanellos, John M. Prousalidis, “*Simplified method for the assessment of ship electric power systems operation cost reduction from energy storage and renewable energy sources integration*”, IET Electrical Systems in Transportation (Available on E-first Articles). doi: 10.1049/iet-est.2013.0011

2.I.20 F. Kanellos, G. Tsekouras, J. Prousalidis, “*Onboard DC grid employing smart grid technology: challenges, state of the art and future prospects*”, IET Transactions on IET Electrical Systems in Transportation, ISSN 2042-973, doi: 10.1049/iet-est.2013.0056, pp. 1-11.

2.I.21 Kobougias I., Tatakis E., Prousalidis J., “*PV Systems Installed in Marine Vessels – Technologies and Specifications*”, Hindawi Publishing Corporation, Volume 2013, Article ID 831560, <http://dx.doi.org/10.1155/2013/831560>.

2.I.22 M. N. Moschakis, I. G. Andritsos, V. V. Dafopoulos, J. M. Prousalidis, E. S. Karapidakis, “*An Evaluation of Sag Detection Techniques for Fast Solid-State Electronic Transferring to Alternate Electrical Energy Sources*”, International Journal of Electrical Science and Engineering, International Science Index 80, Vol:7, No:8, 2013.

2.I.23 M. N. Moschakis, V. V. Dafopoulos, I. G. Andritsos, E. S. Karapidakis, J. M. Prousalidis, “*The Effect of Transformer’s Vector Group on Retained Voltage Magnitude and Sag Frequency at Industrial Sites due to Faults*”, International Journal of Electrical Science and Engineering, International Science Index 79, Vol:7, No:7, 2013.

2.I.24 F. D. Kanellos, J. Prousalidis, G. J. Tsekouras, “*Control system for fuel consumption minimization–gas emission limitation of full electric propulsion ship power systems*”, Proc. of the Institution of Mechanical Engineers, Part M: Journal of Engineering for the Maritime Environment, Vol. 228(1) 17–28, 2014.

2.I.25 Marios Moschakis, F. D. Kanellos, John Prousalidis, “*Adapting Smart Grid, RES Penetration, Electromagnetic Compatibility and Energy Efficiency Concepts to Electric Ship Power Systems*”, Materials Science Forum (Applied Electromagnetic Engineering for Magnetic, Superconducting, Multifunctional and Nano Materials), Trans Tech Publications, pp. 328-336, 2014.

2.I.26 C. Patsios, M. Beniakar, A. Kladas, and J. Prousalidis, “*A simple and efficient parametric design approach for marine electrical machine*”, International Journal on Materials Science Forum, vol.792, pp. 367-372, 2014 (DOI:10.4028/www.scientific.net/MSF.792.367).

2.I.27 E. Sofras, J.Prousalidis, “*Developing a new methodology for evaluating Diesel-electric propulsion*”, IMarEST Journal of Marine Engineering and Technology, Vol. 13, No 3, September 2014, pp. 37-47.

2.II.28 M. Moschakis, J. Prousalidis, A. G. Tsikalakis, E. S. Karapidakis, "*Effect of Power Line Conductor Resistance-to-Reactance Ratio on Voltage Magnitude during Two-Phase Faults at Electric Energy Grids*", *Proceedings of Materials Science Forum*, Vol. 792, pp. 316-321, 2014.

2.I.29 E. Sofras, J.Prousalidis, T. Sourlagas, “*Improving Electric Power Quality in ships via surge protection devices (SPDs)*”, IMarEST Journal of Marine Engineering and Technology, Vol. 10, January 2015, pp. 37-47.

2.I.30 J. Prousalidis, E. Sofras “*Re-establishing the Ship Generator Selection Criteria to comply with High Ship Efficiency concepts*”, DOI: 10.1177/1475090215613535 *Proceedings of the Institution of Mechanical Engineers (IMechE), Part M: Journal of Engineering for the Maritime Environment*, Vol. 228(1) 17–28, 2015.

2.I.31. J. Prousalidis, G. Antonopoulos, P. Mouzakis, E. Sofras, *Proceedings of the Institute of Marine Engineering, science and technology, On resolving reactive power problems in ship electric energy systems ” Journal of Marine Engineering & Technology*, Vol. 14, Number 3, pages 124 – 136, October 2015.

2.I.32 P. Michalopoulos, F. Kanellos, G.Tsekouras, and J. Prousalidis, “*A Method for Optimal Operation of Complex Ship Power Systems Employing Shaft Electric Machines*”, *IEEE Transactions On Transportation Electrification*, Vol. 2, No. 4, December 2016, pp. 547-557.

2.I.33 J. Prousalidis “*On Improving the Earthing Quality in Ship Electric Energy Systems*”, *IMarEST Journal of Marine Engineering and Technology*, <https://doi.org/10.1080/20464177.2018.1493024>, 2018.

2.II Peer reviewed conference papers

2.II.1 J.M. Prousalidis, N.D. Hatzargyriou, B.C. Papadias, "*The Effect of Mutual Phase Coupling in Three Phase Transformer Models*", *Proceedings of 1st European Conference on Electromagnetic Transients - EPST '93*, Lisbon (Portugal), 17-18 June 1993, pp. 15-22.

2.II.2 B.C. Papadias, N.D. Hatzargyriou, J.M. Prousalidis, "*Three Phase Transformer Modelling for Switching Overvoltages*", *Proceedings of Athens Power Tech '93*, Athens, 5-8 September 1993, (Invited Paper), pp. 760-765.

2.II.3 P.G. Boliaris, J.M. Prousalidis, N.D. Hatziargyriou, B.C. Papadias, "*Simulation of Long Transmission Lines Energization for Black Start Studies*", Proceedings of MELECON '93 Conference, Antalya (Turkey), 12-14 April 1994, pp. 1093-1096.

2.II.4 J.M. Prousalidis, N.D. Hatziargyriou, B.C. Papadias, "*Geometrical Transformer Model Including Hysteresis*", Proceedings of 1st International Conference on Electromagnetic Transients - IPST '95, Lisbon (Portugal), September 1995, pp. 113-118.

2.II.5 M.P. Papadopoulos, B.C. Papadias, J.M. Prousalidis, C.D. Tsirekis, "*Characteristics of Switching Transients in MV Distribution Networks*", Proceedings of 36th International CIGRE Session, Paris (France), 25-31 August 1996.

2.II.6 J.M. Prousalidis, A.G. Georgopoulos, N.D. Hatziargyriou, B.C. Papadias, "*Investigation of Transformer Sympathetic Inrush*", Proceedings of 2nd International Conference on Electromagnetic Transients, IPST '97, Seattle (USA), July 1997, pp. 197-202.

2.II.7 J.M. Prousalidis, N.D. Hatziargyriou, B.C. Papadias, "*A Circuit Breaker Model for Small Inductive Current Interruption*", Proceedings of 3rd International Conference on Electromagnetic Transients, IPST '99, Budapest (Hungary), 20-24 June 1999, pp. 499-504.

2.II.8 J.M. Prousalidis, M.P. Philippakou, N.D. Hatziargyriou, B.C. Papadias, "*The Effects of Ionization in Wind Turbine Grounding Modeling*", Proceedings of MELECON 2000, Nicosia (Cyprus), 2000, Paper No 0274.

2.II.9 J.M. Prousalidis, N.D. Hatziargyriou, B.C. Papadias, "*On studying Ship Electric Propulsion Motor Driving Schemes*", Proceedings of 4th International Conference on Electromagnetic Transients, IPST '01, Rio de Janeiro (Brazil), June 24-28, 2001, pp. 87-93.

2.II.10 S. Sekioka, M. Lorentzou, M.P. Philippakou, J. Prousalidis, "*A current Dependent Grounding Resistance Model based on an Energy Balance in Ionization Zone*" Proceedings of 4th International Conference on Electromagnetic Transients, IPST '01, Rio de Janeiro (Brazil), June 24-28, 2001, pp. 343-349.

2.II.11 J. Prousalidis, S. Perros, I.K. Hatzilau, N. Hatziargyriou, "*Practical solutions of numerical noise problems at simulation of switching transients to ship electric power systems*", Proceedings of 3rd WSEAS Symposium on Mathematical Methods and Computational Techniques in Electrical Engineerings (MMACTEE 2001), 30-31 December 2001, Vouliagmeni (Greece), Paper No 563, pp. 5631-5636.

2.II.12 J.M. Prousalidis, "*Simulation tools for ship electric power and control system studies*", Proceedings of 6th International Naval Exhibition and Conference (INEC2002), Glasgow (UK), 23-24 April 2002, pp. 263-275.

2.II.13 S. Sekioka, M. Lorentzou, M.P. Philippakou, J. Prousalidis, "*A current Dependent Grounding Resistance Model based on an Energy Balance in Ionization Zone (II)*",

Proceedings of International Conference on Grounding and Earthing and 3rd Brazilian Workshop on Atmospheric Electricity, November 4-7, 2002, Rio de Janeiro (Brazil), pp. 195-198

2.II.14 I.K. Hatzilau, A. Magoulas, S. Perros, D. Kavoulakos, E. Sakiotis, E. Christofis, F. Martinos, J. Prousalidis, "Harmonic power quality on naval ship electric systems (overview of standards – field measurements on HN "meko" class frigates)", Proceedings of Mediterranean Power Conference and Exhibition (MedPower 2002), Athens (Greece), 5-7 November 2002

2.II.15 J. Prousalidis, I.K. Hatzilau, Cdr S. Perros, "Harmonic electric power quality concepts for the electrified ships (AES)", Proceedings of International Conference on All Electric Ship (AES 2003), Edinburg (UK), 13-14 February 2003.

2.II.16 Lt Cdr. I.K. Gyparis, I.K. Hatzilau, J. Prousalidis, Cdr S. Perros, Lt Cdr. A. Dalakos, "Perspectives of enhanced survivability on AES", Proceedings of International Conference on All Electric Ship (AES 2003), Edinburg (UK), 13-14 February 2003.

2.II.17 S.A. Gertsos, J.M. Prousalidis, C.A. Frangopoulos, "Electric Propulsion: From Infancy To Adolescence", Proceedings of 8th International Marine Design Conference, 5-8 May 2003, Athens Greece, pp. 529- 540.

2.II.18 J.M. Prousalidis, "Application of Space- vector theory to multi-phase multi-winding AC machines", 7th WSEAS International Multi-conference on Circuits, Systems, Communications and Computers, Corfu (Greece), 2003, Paper No 457-201.

2.II.19 J. Prousalidis, I.K. Hatzilau, Cdr S. Perros, P. Buchanan, D. Muthumuni, "Introducing a COTS simulation tool for ship electric power quality studies", Proceedings of International Naval Exhibition and Conference, Amsterdam (The Netherlands), 16-18 March 2004, Vol. II, pp. 23-34.

2.II.20 G. Diamantis, J. Prousalidis, "Simulation of a DTC Ship Propulsion Scheme", Proceedings of International Conference on Power Electric Machine and Drives (PEMD2004), 31 march – 2 april 2004, Edinburg (2004).

2.II.21 S. Cofinas, I.K. Hatzilau, J.M. Prousalidis, S. Perros, "Commutatorless series motor without damping circuits and a diode placed in d-axis", Proceedings of International Conference on Electric Machines (ICEM2004), September 2004, Lodz -Poland (2004).

2.II.22 S. Cofinas, J.M. Prousalidis, I.K. Hatzilau, "Introducing a DC Commutatorless series motor", Proceedings of International Symposium on Ship Propulsion and Railway Traction Systems (SPRTS2004), 4-6 October 2004, Bologna - Italy 2004.

2.II.23 J. Prousalidis, I.K. Hatzilau, P. Michalopoulos, I. Pavlou, D. Muthumuni, "Studying ship electric energy systems with shaft generator", Proceedings of International Symposium on Electric Ship Technologies (ESTS05), Philadelphia – USA (25-27 July 2005).

2.II.24 E.Sofras, J.Prousalidis, "On Performing Short Circuit Studies On Ship Electric Energy Systems ", Proceedings of International Symposium on All Electric Ship 2005 (AES05), Paris – France (2005).

2.II.25 S. Cofinas, J.M. Prousalidis, I.K. Hatzilau, "Introducing a DC supplied Commutatorless series motor drive for naval applications", Proceedings of International Symposium on All Electric Ship 2005 (AES05), Paris – France (2005).

2.II.26 I.K. Hatzilau, J. Prousalidis, E. Styvaktakis, E. Sofras , "Voltage and Current Spikes & Transients - Power Supply Quality aspects for the AES", Proceedings of International Symposium on All Electric Ship 2005 (AES05), Paris – France (2005).

2.II.27 I.K. Hatzilau, J. Prousalidis, E. Styvaktakis, F. Kanellos, S. Perros, E. Sofras , "Electric power supply quality concepts for the All Electric Ship (AES) ", Proceedings of 2006 joined World Maritime Transport Conference – International Naval Exhibition (WMTC2006-INEC2006) London - UK (2006).

2.II.28 G. Petropoulos, J. Prousalidis, "Modeling a Fuel Cell Generator set for DC Transient-State studies", Proceedings of International Conference on Electric Machines (ICEM-2006), Chania (Crete), September 2006.

2.II.29 P. Vallianatos, J. Prousalidis, E. Styvaktakis, "On starting-up large power motors rotating high inertia loads in autonomous systems", Proceedings of International Conference on Electric Machines (ICEM-2006), Chania (Crete), September 2006. Η παρούσα δημοσίευση έχει προκριθεί για περαιτέρω αξιολόγηση-κρίση σε περιοδικό του IEEE και αυτή τη στιγμή τελεί υπό αξιολόγηση.

2.II.30 F. Kanellos, I.K. Hatzilau, J. Prousalidis, E. Styvaktakis, , " Simulation of a Shipboard Electrical Network (AES) Comprising Pulsed Loads", International Symposium "Engine as a Weapon II", 5-6 December 2006, London (UK).

2.II.31 J. Prousalidis, E. Styvaktakis, E. Sofras, I.K. Hatzilau, D. Muthumuni "Voltage dips in ship systems", Proceedings of 2007 IEEE Electric Ship Technologies Symposium (ESTS07), Anaheim (USA), July 2007.

2.II.32 F. Kanellos, I.K. Hatzilau, J. Prousalidis, "Investigation of voltage/frequency modulation in ship electric networks with pulsed loads according to STANAG 1008 design constraints", Proceedings of 2007 All Electric Ship Symposium (AES2007), London (UK), September 2007.

2.II.33 I.K. Hatzilau, G.J. Tsekouras, J. Prousalidis, I.K. Gypris, "On electric load characterization and categorization in ship electric installations", Proceedings of International Naval Exhibition and Conference (INEC2008), London (UK), 1-3 April 2008, pp. 123-135.

2.II.34 J. Prousalidis, G. Sfakianos, E. Sofras, "*Analyzing Voltage Dips in Ship Electric Energy Systems*", Proceedings of Mediterranean Power Conference and Exhibition (MedPower 2008), Thessaloniki (Greece), 3-5 November 2008.

2.II.35 J.M. Prousalidis, P. Mouzakis, E. Sofras, D. Muthumuni, O. Nayak, "*On Studying the Power Supply Quality problems due to Thruster Start-ups*", Proceedings of 2009 IEEE Electric Ship Technologies Symposium (ESTS09), Baltimore (USA), April 2009.

2.II.36 J.M. Prousalidis, G.J. Tsekouras, F.D. Kanellos, "*New Challenges emerged from the development of more efficient Electric Energy Generation Units*", Proceedings of the 2011 Electric Ship Technology Symposium (2011), Alexandria (Washington DC, USA), 10-13 April 2011.

2.II.37 J. Prousalidis, C. Patsios, F. Kanellos, A. Sarigiannidis, N. Tsekouras, G. Antonopoulos, "*Exploiting shaft generators to improve ship efficiency*" Proceedings of Electrical Systems in Aircraft Railway and Ships Propulsion-ESARS 2012, 16-18 October 2012, Bologna (Italy).

2.II.38 G. Antonopoulos, C. Patsios, J. Prousalidis: "*Discussion on Adopting Intelligent Power Management and Control Techniques in Integrated Power Systems of All-Electric ships*", Proceedings of Electrical Systems in Aircraft Railway and Ships Propulsion-ESARS 2012, 16-18 October 2012, Bologna (Italy).

2.II.39 A. Gialketsi, J. Prousalidis, G. Tsekouras, F. Kanellos, "*Reducing Pollutant Emissions in ports: Optimized Design & Operation of the Electric Power Generation System, based on the Classification of Ship Total Load Demand Profiles*", Proceedings of 2012 International Naval Exhibition and Conference (INEC 2012), 15-18 May, Edinburgh (UK).

2.II.40 G. Tsourakis, I. Milis, and J. Prousalidis, "*Transformer sympathetic inrush: A case study*" Proceedings of 8th Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion (MEDPOWER 2012), , 2012, pp. 1–5.

2.II.41 J. Prousalidis, E. Sofras, T. Sourlagkas, "*On Power Quality Improvement in Extensively Electrified Ships via Installing Surge Protection Devices (SPDs)*", Proceedings of Engine As A Weapon VI (EEAAW-VI), July 15-17, 2013, Bristol (UK).

2.II.42 T. Kourmpelis, J. Prousalidis, "*Setting A Computer Simulation Platform for Passenger Ship Dc Distribution Networks*", Proceedings of RINA conference "Design and Operation of Passenger Ships", 20-21 November 2013, London (UK).

2.II.43 J. Prousalidis, L. Kaihtsis, F. Kanellos, G. Antonopoulos, C. Patsios, A. Greig, "*New Green-Ship Challenges Faced by the All-Electric Platform*", Proceedings of Transport Research Arena 2014 (TRA 2014), Paris (France), 14-17 April 2014

2.II.44 S. Dallas, A. Skoufis, J. Prousalidis, “*Introducing a Ship Electric Power Quality Monitoring System for Green Shipping*”, *Proceedings of 21st International Conference on Electrical Machines (ICEM 2014), September 2-5, 2014, Berlin (Germany), paper No GD-005827, pp. 2306-2312.*

2.II.45 J. Prousalidis, C. Patsios, G. Tsourakis, S. Dallas, G. Antonopoulos, P. Katsikas, N. Karlovits, V. Georgiou, R. Bucknall, A. Greig, “*Comparison of DC vs AC via ship electric grid emulators*”, *Proceedings of 12th International Naval Conference and Exhibition (INEC 2014), paper No 66, 20-22 May 2014, Amsterdam (The Netherlands),*

2.II.46 J. Prousalidis, G. Antonopoulos, C. Patsios, A. Greig, R. Bucknall, “*Green shipping in Emission Controlled Areas: Combining Smart Grids and Cold Ironing*”, *Proceedings of 21st International Conference on Electrical Machines (ICEM 2014), September 2-5, 2014, Berlin (Germany), paper No GD-006513, pp. 2293-2299 .*

2.II.47 E. Sofras, J. Prousalidis, “*Investigating the feasibility of Green Ships with electric propulsion*”, *Proceedings of 9th International Conference on High-Performance Marine Vehicles, HIPER 2014, paper No 26, 3-5 December 2014, Athens (Greece),*

2.II.48 S. Dallas, J. Prousalidis, T. Kourmpelis, “*Direct Current Technology As A Means Towards Increased Vessel Efficiency*”, *Proceedings of 9th International Conference on High-Performance Marine Vehicles, HIPER 2014, paper No 31, 3-5 December 2014, Athens (Greece),*

2.II.49 J. Dermentzoglou, J. Prousalidis, “*Contribution to a Detailed Modeling and More Reliable Simulation of a Ship’s Shaft Machine ESTS*”, *Proceedings of International Conference on Electric Ship Aircraft And Railway - ESARS 2015, 3-5 March 2015, Aachen (Germany).*

2.II.50 T. Kourmpelis, J. Prousalidis, S. Dallas, F. Kanellos, M. Korn, “*Power Quality Analysis for the Highly-Electric Asset with DC Power Distribution*”, *Proceedings of International Conference on Electrical Systems For Aircraft, Railway, Ship Propulsion And Road Vehicles (ESARS 2015), paper No SSE0008, 3-5 March 2015, Aachen (Germany),*

2.II.51 P. Michalopoulos, G. J. Tsekouras, F.D. Kanellos, J. M. Prousalidis, “*Optimal Economic Operation of a Complex Electric Power System with Shaft Generators*”, *International Conference Environment & Energy in Ships (Ashrae 2015), 22-24 May 2015, Athens, Greece*

2.II.52 F. Kanellos, J. Prousalidis, G. Tsekouras, “*Optimal Active Power Management in All Electric Ship employing DC Grid technology*”, *Proceedings of 4th International*

Symposium on Operational Research (HELORS 2015), 4-6 June 2015, Chania (Greece), pp. 285-290

2.II.53 D. Spathis, E. Nikolopoulou, T. Kourmpelis, S. Dallas and J. Prousalidis, A. Kladas, E. Tatakis, I. Pallis, M. Beniakar, A. Sarigiannidis, F. Kanellos, S. Meliopoulos, I. Gonos, V. Kontargyri, G. Tsekouras, “*Analysis of various Power Quality Phenomena in a Highly Electrified Vessel*”, accepted for presentation in the Electric Ship Technology Symposium ESTS-2015, 22-25 June 2015, Alexandria (USA).

2.II.54 P. Michalopoulos, G. Tsekouras, F. Kanellos, J. Prousalidis, “*Comparison of Ship Power Systems from an Optimal Economic Operation Point of View*”, Proceedings of International Symposium on Electric Ship Technology 2015 (ESTS 2015), paper No 1029, 22-24 June 2015, Alexandria-Washington DC (USA).

2.II.55 T. Kourmpelis, S. Dallas, J. Prousalidis, D. Spathis, “*Investigation of the feasibility of the superconducting self-healing DC grid on an LNG carrier*” Proceedings of International Symposium on Electric Ship Technology 2015 (ESTS 2015), paper No 1041, 22-24 June 2015, Alexandria-Washington DC (USA).

2.II.56 M. Korn, S. Mesinenin, J. Prousalidis, T. Kourmpelis, “*Power quality & system stability energy storage & conversion, the hybrid effect*”, Proceedings of MECSS 2015, 24-25 November 2015, Bristol (UK).

2.II.57 Z. Soghomonian, J. Prousalidis, F. Kanellos, S. Dallas, D. Spathis, T. Kourmpelis, G. Tsekouras “*The Role of Efficiency of Electric Machinery On Green Shipping*”, paper No LD-003999, Proceedings of International Conference on Electrical Machines-ICEM 2016, 5-7 September 2016, Lausanne (Switzerland).

2.II.58 A. Sarigiannidis, A. Kladas, A. Mountaneas, M. Benakiar, G. Politis, I. Pallis, E. Tatakis, S. Dallas, J. Prousalidis, “*Design of surface PM motors for POD application utilizing a 3D Hydrodynamic Model*”, paper No LD-005614, Proceedings of International Conference on Electrical Machines-ICEM 2016, 5-7 September 2016, Lausanne (Switzerland).

2.II.59 E. Aloniati, C. Bakirtzoglou, K. Fountouli, G. Grigoropoulos, D. Konstantinou, T. Kourmpelis, J. Prousalidis, D. Spathis, S. Spiraj, A. Themelakis, V. Tsarsitalidis, S. Tzanetos “*Design Considerations for Energy Efficient Electric Powerboats*”, Proceedings of International High-PERformance conference - HIPER 2016, 16-19 October 2016, Cortona (Italy).

2.II.60 J. Prousalidis, D.V. Lyridis, S. Dallas, C. Papaleonidas, P. Mitrou, E. Vergetis, E. Vaimaki, S. Aggelopoulos, T. Kourmpelis, V. Georgiou, P. Katsikas, T. Boutsika, D. Spathis, “*The ports as smart micro-grids: development perspectives*”, Proceedings of HAEE 2016, May 2016, Athens (Greece).

2.II.61 P. Mertikas, S.E. Dallas, D. Spathis, T. Kourmpelis, I.P. Georgakopoulos, J.M. Prousalidis, D.V. Lyridis, L. Nakos, P. Mitrou, V. Georgiou, *Furthering the electricity to ships and ports: the ELEMED project*, Proceedings of International Conference on Electrical Machines-ICEM 2018, 3-6 September 2018, Alexandroupolis (Greece)

2.II.62 S.E. Dallas, M. Pytharoulis and J.M. Prousalidis, *Investigation of the Behavior of a Marine Grid Emulator During Power Disturbances*, Proceedings of International Conference on Electrical Machines-ICEM 2018, 3-6 September 2018, Alexandroupolis (Greece)

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