

PUBLICATIONS

Book Chapters

(Peer-reviewed
research monographs)

Ana Stankovic, "Three-Phase Pulse-Width-Modulated Boost-Type Rectifiers", **THE POWER ELECTRONICS HANDBOOK** (Edited by Tim Skvarenina), CRC Press, Chapter 4.3, pp. 4.33 - 4.41. 2001

A.V. Stankovic, "Unbalanced Operation of Three-Phase Boost Type Rectifiers", **HANDBOOK OF AUTOMOTIVE POWER ELECTRONICS MOTOR DRIVES** (Edited by Ali Emadi), Taylor and Francis Group, LLC. Chapter 13.2005

Ana Vladan Stankovic and Dejan Schreiber "Line side Converters in Wind Power Applications, **HANDBOOK ON RENEWABLE ENERGY TECHNOLOGY** (Edited by Ahmed Zobaa and Ramesh Bansal), Chapter 6, pp 119-146, by World Scientific Publishing Company PTE LTD, 2011.

Ana Vladan Stankovic, Dejan Schreiber and Shuang Wu, "Control Methods for Grid Side Converters under Unbalanced Operating Conditions in Wind Power Applications", **MODELING AND CONTROL OF POWER SYSTEMS: TOWARDS SMARTER AND GREENER ELECTRIC GRIDS** (Edited by Lingfeng Wang), Springer pp.127-153,2012

Ana Vladan Stankovic, Dejan Schreiber and Xiangpeng Zheng, "Grid-Fault-Ride Through Control Method for a Wind Turbine Inverter", Chapter 17 in **SMART POWER GRIDS** (Edited by Ali Keyhani and Muhammad Marwali), Springer, 2012.

Peer-reviewed Journal Publications

W. Xiong, A.V. Stankovic and L. Nerone, " Modeling and Design of L-Complementary Self-Oscillating Class D Inverter with Output Voltage Clamping", accepted for publication in *IEEE Transactions on Industry Applications*.

A.V. Stankovic, L. Nerone and P. Kulkarni, "Modified Synchronous Buck Converter for Dimmable HID Electronic Ballast", *IEEE Transactions on Industrial Electronics*, Vol.59, No.4, April, 2012

N. Scheidegger, A.V. Stankovic, "DC/DC Converter for Commercial Refrigeration LED Lighting, *LEUKOS*, Vol.7, No 2, October 2010.

A.V. Stankovic, L. Nerone and S. Vernyuk, "A new High Efficiency HID Electronic Ballast", *LEUKOS*, Vol.6, No.4, pp.311-328, April 2010

Ana Vladan Stankovic and Ke, Chen, "A New Control Method for Input-Output Harmonic Elimination of the PWM Boost Type Rectifier Under Extreme Unbalanced Operating Conditions", *IEEE Transactions on Industrial Electronics*, Vol.56, No.7, July 2009.

M. G. Marita, A. V. Stankovic and L. Nerone, "An application of a Ripple Current Cancellation Technique to a Boost Power Factor Correction Circuit for Electronic Ballasts", *LEUKOS*, Vo.5, No.3, pp. 237-259 January 2009.

H. Y. Wang, A.V. Stankovic, D. Kachmarik and L. Nerone, "A Novel Discrete Dimming Ballast for Linear Fluorescent Lamps", *IEEE Transactions on Power Electronics*, Vol. 24, No. 6, June 2009.

N. Sayed, A. V. Stankovic, L. Nerone, "A New Mathematical Tool to Meet IEC 61000-3-2", *Journal of the Illuminating Engineering Society*, vol. 33, No.1, Winter 2004, pp. 67-74.

A.V. Stankovic, E. Benedict, V. John and T. A. Lipo, "A Novel Method for Measuring Induction Machine Magnetizing Inductance", *IEEE Transactions on Industry Applications*, vol. 39, No.5, Sep/Oct, 2003, pp. 1257-1263.

A. V. Stankovic, D. Uppala, D. Kachmarik, M.C Cosby Jr. and L. Nerone, "Design, Analysis and Optimization of a Universal Power Factor Correction Circuit for Linear Fluorescent Lamps", *Journal of the Illuminating Engineering Society*, vol. 33, No.1, Winter 2004, pp.43-54.

N. Sayeed, A. V. Stankovic and L. Nerone, "A Low Cost High Power Factor Electrolytic-less Ballast for Fluorescent lamps", *Journal of the Illuminating Engineering Society*, vol.32, No.1, Winter 2003, pp. 41-51.

A.V. Stankovic and T. A. Lipo, "A Novel Control Method for Input Output Harmonic Elimination of the PWM Boost Type

Rectifiers Under Unbalanced Operating Conditions," *IEEE Transactions on Power Electronics*, vol.16, no.5. pp. 603-611, Sep. 2001

M. R. Stojic and A. V. Stankovic,"Setting of controller parameters in microprocessor-based speed control system with DC motor," Publications of the Faculty of Electrical Engineering, Automatic Control Series.No.1. 1991. pp. 29-43.

Peer-reviewed Conference Proceedings

A.V. Stankovic, Y. Rutkovskiy, "A Novel Control Method for Grid Side Inverters Under Generalized Unbalanced Operating Conditions", accepted for IEEE APEC 2012, Long Beach, CA.

W. Xiong, A.V. Stankovic," A Universal Programmed Start Dimming Ballast", Conference Proceedings of IEEE IAS 2012 Annual Meeting, Las Vegas, Nevada, pp.1-8.

W. Xiong, A.V. Stankovic and L. Nerone, "Modeling and Design of L-Complementary Self-Oscillating Class D Inverter with Output Voltage Clamping", Conference Proceedings of IEEE IAS 2011 Annual Meeting, Orlando, Florida, pp 1-8.

Shuang Wu and Ana Stankovic," A Generalized Method for Wind Inverter Control under Unbalanced Operating Conditions," Conference Proceedings of IEEE ECCE 2011, Phoenix, Arizona, pp.865-870.

Wei Xiong, Ana V. Stankovic and Louis Nerone," Modeling and Design of L-Complementary Self-Oscillating Class D Inverter with Output Voltage Clamping during Starting", Conference Proceedings of IEEE ECCE 2011, Phoenix, Arizona, pp.1132-1136.

Xiangpeng Zheng and A. V. Stankovic, "Ride-Through Fault Generalized Control Method for a Wind Turbine Inverter", Conference Proceedings of IEEE 2011 Energy Tech, Cleveland, Ohio, pp. 1-6.

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A.V. Stankovic, "Trends in developing State of the Art Laboratories for Teaching Power Electronics and Electric drives, Proc of 52nd ETRAN Conference, pp. EE1. 1-1-4. Palic, June 8-12, 2008.

K. Chen, A. V. Stankovic, "Building a Modern Power Electronics and Electric Machines Laboratory", Proceeding of ASEE 2007, Honolulu, Hawaii.

H. Y. Wang, A.V. Stankovic, D. Kachmarik and L. Nerone, "A Novel Discrete Dimming Ballast for Linear Fluorescent Lamps", Conference Proceedings of 35th IEEE Power Electronics Specialists Conference PESC 2004, Aachen, Germany, June 20 - 25, 2004, pp.815-820.

A.V. Stankovic, A. G. Birchenough, B. Kenny, G. Kimmach, "Modeling of an AC Power System for High Power Spacecraft", Conference Proceedings of Space Technology and Applications International Forum-STAIF 2004, pp 598- 605.

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N. Sayed, A. V. Stankovic and L. Nerone, "Low Cost High Power Factor Electrolytic-less Ballast for Fluorescent Lamps", Conference Proceedings of the IESNA, pp.229-255, 2002.

A. V. Stankovic and T. A. Lipo, "A Novel Generalized Control Method for Input Output Harmonic Elimination of the PWM Boost Type Rectifier Under Simultaneous Unbalanced Input Voltages and Input Impedances," 32nd Annual Power Electronics Specialists Conference (IEEE Cat. No.01CH37230) 2001, IEEE 32nd Annual Power Electronics Specialists Conference 2001 pp.1309-14 vol. 3

A. V. Stankovic and T. A. Lipo, "A Novel Control Method for Input Output Harmonic Elimination of the PWM Boost Type

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A. Stankovic, E. Benedict, V. John and T. A. Lipo, "A Novel Method for Measuring Induction Machine Magnetizing Inductance," IEEE Industry Applications Society Annual Meeting, New Orleans, Louisiana. Conference Record of the 1997 IEEE Industry Applications Conference Thirty-Second IAS Annual Meeting 1997 pp.234-8 vol.1

M. R. Stojic and A. V. Stankovic, "Parameter Synthesis of a Digital Controller for a DC Motor," Conference Record of ETAN, Zagreb, pp.239-243 vol.1,1990.

A. V. Stankovic and V. Vuckovic, "Digital tachometer with wide measurement range and fast dynamic response," Conference Record of JUREMA, pp.56-62 vol.2, 1987.

Workshop Papers

Ana Stankovic "Teaching Electromechanical Energy Conversion", NSF workshop. Teaching of Courses in Power Electronics and Electric Drives. February 20-21. Las Vegas, Nevada.

Invited Presentations

"Input Output Harmonic Elimination of the PWM Boost Type Rectifier Under Unbalanced Operating Conditions", University of Belgrade, June 21, 2002.