## **REFERENCES**

- [1] Robert H. Walden, "Analog-to-Digital Converter Survey and Analysis", IEEE Journal on Selected Areas In Communications, Vol.17, No.4, April 1999.
- [2] Michael Barr, "Introduction to Pulse Width Modulation (PWM)": http://www.netrino.com/Embedded-Systems/How-To/PWM-Pulse-Width-Modulation [Feb. 2, 2010].
- [3] "Best Microcontroller Project": http://www.best-microcontroller-projects.com/index.html
- [4] R.Tamil Selvi and K.R.Valluvan, "Development Of Low Cost Power Parameter Measuring System Using PIC", International conference on "Control, Automation, Communication And Energy Conservation 2009", June 4-6, 2009.
- [5] Microchip, "PIC16F87XA Data Sheet 28/40/44-Pin Enhanced Flash Microcontrollers", Datasheet.
- [6] "MOSFETs and MOSFET drivers v1.04": http://homepages.which.net/~paul.hills/SpeedControl/MosfetBody.html Jan. 30, 2002 [Feb. 2, 2010].
- [7] Laszlo Balogh, "Design And Application Guide For High Speed MOSFET Gate Drive Circuits".

- [8] National Semiconductor, "LM35 Precision Centigrade Temperature Sensors". Datasheet. July, 1999.
- [9] Daycounter, Inc. "Boost Switching Converter Design Equations": http://www.daycounter.com/LabBook/BoostConverter/Boost-Converter-Equations.phtml, 2004.
- [10] STMicroelectronics, "Fan speed controller based on STDS75 or STLM75 digital temperature sensor and ST72651AR6 MCU", application note, 2008.
- [11] Heinz van der Broeck and Ibrahim Tezcan, "1 KW Dual Interleaved Boost Converter for Low Voltage Applications", Power Electronics and Motion Control Conference, 14<sup>th</sup>-16<sup>th</sup> Aug. 2006. IEEE Journal on Power Electronics and Motion, Feb. 10, 2009.
- [12] ChenChunliu, Wang Chenghua and HongFeng, "Research of an Interleaved Boost Converter with four Interleaved Boost Convert Cells", Microelectronics & Electronics, 2009. Prime Asia 2009. Asia Pacific Conference on Postgraduate Research, IEEE Journal on Microelectronics & Electronic, Jan. 22, 2010.
- [13] Liang Yan, Brad Lehman, "Isolated Two-inductor Boost Converter with One Magnetic Core" Applied Power Electronics Conference and Exposition, 2003. APEC '03. Eighteenth Annual IEEE Volume 2, Feb. 9-13, 2003, page(s):879-885 vol.2.
- [14] Y. Jang, M.M. Jovanovic, "New Two-inductor Boost Converter with Auxiliary Transformer", IEEE APEC, pp. 654-660, 2002.
- [15] T.J.Liang,K.C.Tseng, "Analysis of integrated boost-flyback step-up converter", IEE proc.-electr. Power Appl. vol. 152, no.2, 2005.
- [16] Yungtaek Jang, Milan M. Jovanovic, "A New Soft-Switched DC-DC Front-End Converter for Applications with Wide-Range Input Voltage from Battery Power Sources" IEICE/IEEE Intelec'03, Oct.19-23, 2003, pp. 770-777.

- [17] Jeong-il Kang, Chung-Wook Roh, Gun-woo Moon, and Myung-Joong Youn, "Design of phase-shifted parallel-input/series-output dual inductor-fed push-pull converter for high-power step-up applications," Industrial Electronics Society, 2001. IECON '01. The 27<sup>th</sup> Annual Conference of the IEEE Volume 2, Nov. 29 Dec. 2, 2001 Page(s):1249-1254 vol.2.
- [18] W.A. Tabisz, M.M. Jovanovic, F. C. Lee, "present and future of distributed power system," IEEE APEC records, 1992, pp. 11-18.
- [19] P.J.Wolfs, "A Current Sources DC-DC Converter derived via the Duality Principle from the Half-Bridge Converter," IEEE Transactions on Industrial Electronics, 1993, vol.40, No.1, pp.139-144.
- [20] W. C. P. de Aragao Filho and I. Barbi, "A Comparison between Two Current-fed Push-pull DC-DC Converters Analysis, Design and Experimentation," International Telecommunications Energy Conference, 1996, pp. 313-320.
- [21] M. Nakahara, T. Ninomia, and K. Harada, "Surge and Noise Generation in a Forward DC-to-DC Converter," IEEE Transactions on Aerospace and Electronic Systems, vol. AES-21, no.5, 1985.
- [22] R. Redl and N. O. Sokal, "Push-pull Current-fed Multiple-output DC/DC Power Converter with Only One Inductor and with 0 to 100% Switch Duty Ratio," IEEE Power Electronics Specialists Conference Record, 1980, pp. 341-345.