

บรรณานุกรม

- [1] O. S. Unsal, I. Koren, “System-Level Power-Aware Design techniques in Real-Time Systems”, *Proceeding of the IEEE, Vol. 91, No. 7, July 2003*.
- [2] Micrium Empowering embedded systems. 2006, [online].
http <http://www.ucos-ii.com>
- [3] Modbus Protocol. 2005, [online]. <http://www.fieldserver.com/about/modbusprotocol.asp>
- [4] A. Azevedo, I. Issenin, R. Cornea, R. Gupta, N. Dutt, A. Veidenbaum, A. Nicolau, “Profile-based Dynamic Voltage Scheduling using Program Checkpoints in the COPPER Framework”, *Design Automation and Test in Europe, DATE’02*, Mar. 2002, pp. 168-176.
- [5] R. Levy, B. Crilly, B. Narahari, R. Simha, “Memory Issues in Power-aware Design of Embedded Systems: An Overview”, *Second International Workshop on Compiler and Architecture Support for Embedded Systems, CASES’99*, 1999 (available at <http://delta.cs.cinvestav.mx/~pmejia/power/paper36.ps>).
- [6] T. Simunic, L. Benini, G. De Micheli, “Energy-efficient Design of Battery-Powered Embedded Systems”, *International Symposium on Low Power Electronics and Design ISLPED’99*, 1999, pp. 212-217.
- [7] P. Grun, N. Dutt, A. Nicolau “Access Pattern Based Local Memory Customization for Low Power Embedded Systems”, *Design Automation and Test in Europe, DATE’01*, 2001, pp. 778-785.
- [8] P. Pillai, K. G. Shin, “Real-Time Dynamic Voltage Scaling for Low-Power Embedded Operating Systems”, *18th ACM Symposium on Operating System Principles, SOSPO’01*, Oct. 2001, pp. 89-102.
- [9] V. Swaminathan, K. Chakrabarty, S.S. Iyengar, “Dynamic I/O Power Management for Hard Real-Time Systems”, *International Symposium on Hardware/Software Co-Design CODES’01*, 2001, pp. 237-242.
- [10] R. P. Dick, G. Lakshminarayana, A. Raghunathan, N. K. Jha, “Power Analysis of Embedded Operating Systems”, *37th ACM/IEEE Design Automation Conference, DAC’00*, 2000, pp. 806-809.

- [11] K. Baynes, C. Collins, E. Fiterman, C. Smit, T. Zhang, B. Jacob, "The Performance and Energy Consumption of Embedded Real-Time Operating Systems", *University of Maryland at College Park, Technical Report UMD-SCA-TR-2000-04*, Nov. 2000.
- [12] A. Acquaviva, L. Benini, B. Ricco, "Energy Characterization of Embedded Real-Time Operating Systems", *Workshop on Compilers and Operating Systems for Low Power, COLP'01*, pp. 13-18, Sep. 2001
(available at <http://research.ac.upc.es/pact01/colp/paper05.pdf>).
- [13] O. S. Unsal, I. Koren, C. M. Krishna, "High-Level Power-Reduction Heuristics in Large Scale Real-Time Systems", *IEEE International Workshop On Embedded Fault-Tolerant Systems*, Sep. 2000 (available at http://www.ecs.umass.edu/ece/realtime/publications/efts2000_umass.ps).
- [14] K. I. Farkas, J. Flinn, G. Back, D. Grunwald, J. M. Anderson, "Quantifying the Energy Consumption of a Pocket Computer and a Java Virtual Machine", *International Conference on Measurement and Modeling of Computer Systems (SIGMETRICS 2000)*, June 2000, pp. 252-263.
- [15] W. Yuan, K. Nahrsted, "A Middleware Framework Coordinating Processor/Power Resource Management for Multimedia Applications", *IEEE Symposium on Future Satellite Communications for Global IP and ATM Networking, Globecom 2001*, Nov. 2001, pp. 1984-1988.
- [16] T. Ma, K. G. Shin, "A User-Customizable Energy-Adaptive Combined Static/Dynamic Scheduler for Mobile Applications", *Proceedings of IEEE Real-Time Systems Symposium, RTSS'00*, pp. 227-238, Nov. 2000 (available at http://kabru.eecs.umich.edu/papers/publications/2000/ma_rtss00.pdf).
- [17] L. Benini, G. Castelli, A. Macii, R. Scarsi, "Battery-Driven Dynamic Power Management", *IEEE Design and Test of Computers*, Mar./Apr. 2001, pp. 53-60.
- [18] J. Flinn, M. Satyanarayanan, "Energy-Aware Adaptation for Mobile Applications", *17th ACM Symposium on Operating System Principles, SOSP'99*, Dec. 1999, pp. 48-63.
- [19] P. Bohrer, E. N. Elnozahy, T. Keller, M. Kistler, C. Lefurgy, R. Rajamony, "The Case for Power Management in Web Servers", *Power-Aware Computing, Kluwer/Plenum series in Computer Science*, Ch. 14, Jan. 2002.

- [20] G. Qu, D. Kirovski, M. Potkonjak, M. B. Srivastava, "Energy Minimization of System Pipelines Using Multiple Voltages", *IEEE International Symposium on Circuits and Systems VLSI*, Vol.1, pp.362-365, 1999.
- [21] L. Gruenwald, S. Banik, "A Power-Aware Technique to Manage Real-Time Database Transactions in Mobile Ad-Hoc Networks", *4th International Workshop on Mobility in Database and Distributed Systems*, pp. 570-574, Sep. 2001.
- [22] O. S. Unsal, I. Koren, C. M. Krishna, "Power-Aware Replication of Data Structures in Distributed Embedded Real-Time Systems", *EHPC2000, 14th Annual International Parallel and Distributed Systems Symposium*, May 2000, pp. 839-846.
- [23] I. Lee, A. Philippou, O. Sokolsky, "Formal Modeling and Analysis of Power-Aware Real-Time Systems", *IEEE/IEE Workshop on Real-Time Embedded Systems, RTES'01*, Dec. 2001 (available at <http://www.brics.dk/~alcomft/TR/ALCOMFT-TR-02-137.ps.gz>).
- [24] D. Qiao, S. Choi, A. Soomro, K. G. Shin, "Energy-Efficient PCF Operation of IEEE 802.11a Wireless LAN", *IEEE Conference on Computer Communications INFOCOM'02*, pp. 580-589, June 2002 (available at http://kabru.eecs.umich.edu/papers/publications/2002/qiao_infocom02.pdf).
- [25] K. Lahiri, A. Raghunathan, S. Dey, "Battery Efficient Architecture for an 802.11 MAC Processor", *International Conference on Communications, ICC'02*, pp. 669-674, May 2002.
- [26] P. J. M. Havinga, G. J. M. Smit, "Minimizing energy consumption for handheld computers in Moby Dick", *23rd Euromicro Conference*, Sep. 1997, pp. 196-201.
- [27] P. J. M. Havinga, G. J. M. Smit, "Octopus: embracing the energy efficiency of handheld multimedia computers", *ACM/IEEE 5th Annual International Conference on Mobile Computing and Networking, Mobicom99*, Aug. 1999, pp. 77-87.
- [28] J. Gomez, A. T. Campbell, M. Naghshineh, C. Bisdikian, "Conserving Transmission Power in Wireless Ad Hoc Networks", *9th International Conference on Network Protocols, ICNP'01*, pp. 11-14, Nov. 2001.

- [29] J. Rabaey, J. Ammer, J. L. da Silva Jr., D. Patel, “PicoRadio: Ad-Hoc Wireless Networking of Ubiquitous Low-Energy Sensor/Monitor Nodes”, *IEEE Computer Society Annual Workshop on VLSI (WVLSI’00)*, Apr., 2000, pp. 9-12.
- [30] W. Heinzelman, A. Chandrakasan, H. Balakrishnan, “Energy-Efficient Communication Protocol for Wireless Microsensor Networks”, *Proceedings of the 33rd Hawaii International Conference on System Sciences (HICSS ’00)*, Jan. 2000, pp. 3005-3014.
- [31] W. Ye, J. Heidemann, D. Estrin, “An Energy-Efficient MAC protocol for Wireless Sensor Networks”, *Proceedings of 21st Annual Joint Conference of the IEEE Computer and Communications Societies, (INFOCOM 2002)*, June, 2002, pp. 1567-1576.
- [32] V. Tsiatsis, S. Zimbeck, M. Srivastava, “Architecture Strategies for Energy Efficient Packet Forwarding in Wireless Sensor Networks”, *International Symposium on Low Power Electronics and Design, ISLPED’01*, 2001, pp. 92-95.
- [33] LPC2119/LPC2129. Rev. 03 — 22 December 2004.
http://www.semiconductors.philips.com/acrobat_download/datasheets/LPC2119_2129-03.pdf
- [34] LPC2119/2129/2194/2292/2294 USER MANUAL. 03 February 2004.
http://www.semiconductors.philips.com/acrobat_download/usermanuals/UM_LPC21XX_LPC22XX_2.pdf.
- [35] ETT’s Products PHILIPS ARM7 LPC2119 16/32 BIT. 2005, [online].
http://www.ett.co.th/product/ARM/et-arm_stamp_lpc2119.htm
- [36] Jean J. Labrosse, “MicroC/OS-II : The Real-Time Kernel 2nd edition”, *Lawrence KS USA : CMP Books*, 2002, pp. xxi-xxiii.
- [37] Modicon Modbus Protocol Reference Guide, PI-MBUS-300 Rev. J. June 1996, [online].
http://www.eecs.umich.edu/~modbus/documents/PI_MBUS_300.pdf
- [38] Windmill Software Ltd. 2006, [online]. <http://www.windmill.co.uk/serial.html>
- [39] ModScan Application Description. 2005, [online].
<http://www.win-tech.com/html/modscan.htm>
- [40] K. Baynes, C. Collins, E. Fiterman, C. Smit, T. Zhang, B. Jacob, “The Performance and Energy Consumption of Embedded Real-Time Operating Systems”, *University of Maryland at College Park, Technical Report UMD-SCA-TR-2000-04*, Nov. 2000.

- [41] Chimera. 2006, [online]. <http://www.ucos-ii.com/partners/compilers/index.html>
- [42] Validated Products. 2006, [online].
<http://www.validatedsoftware.com/products/products.html>
- [43] Features of DNP3. 2006, [online]. <http://www.dnp.org/About/Features.aspx>
- [44] uC/OS-II Kernels Ports. 2006, [online].
<http://www.ucos-ii.com/products/rtos/kernel/ports.html>
- [45] ETT's Products. 2006, [online]. <http://www.etteam.com/product/product.html>
- [46] Compilers. 2006, [online]. <http://www.ucos-ii.com/partners/compilers/index.html>
- [47] Technical Support. 2006, [online]. <http://www.arm.com/support/downloads>
- [48] IAR SYSTEMS. 2006, [online]. <http://www.iar.com>
- [49] Demos and Upgrades. 10 April 2006, [online].
<http://www.imagecraft.com/software/demos.html>
- [50] ARM Development Tools. 2006, [online]. <http://www.keil.com/arm>
- [51] Metrowerks. 2006, [online].
http://www.metrowerks.com/MW/Support/dev_resources/default.htm
- [52] Microcross. 2006, [online]. <http://microcross.com/index.html>
- [53] TASKINGS. 2006, [online]. http://www.tasking.com/support/32_bit/ARM
- [54] PHILIPS. 2006, [online]. <http://www.ucos-ii.com/philips/index.html>