













## 6. References

- [1] H. Salemand, N. Mohamed, "Middleware challenges and approaches for wireless sensor networks", *IEEE Distributed Systems Online*, 7(3):1, 2006.
- [2] R. Kay, F. Mattern, "The design space of wireless sensor networks", *IEEE Wireless Communications*, 11(6):54-61, 2004.
- [3] A.Bharathidasan and V.A.S.Ponduru. Sensor networks:Anoverview. *IEEE Potentials*, 22(2): 20-23, 2003.
- [4] N. Xu, "A Survey of Sensor Network Applications", <http://courses.cs.tamu.edu/rabi/cpsc617/resources/sensor%20nw-survey.pdf>.
- [5] YanDu, "A Progressively Reliable Image Transport Protocol over Wireless Sensor Networks", Thesis submitted to the Faculty of Graduate and Post-doctoral Studies In partial fulfillment of the requirements For the M.Sc. degree in Computer Science, ©Yan Du,Ottawa, Canada, 2008.
- [6] Zhi-Yan Cao, Zheng-Zhou Ji, Ming-Zeng Hu,"An Image Sensor Node for Wireless Sensor Networks", *IEEE, Information Technology Coding and Computing (ITCC'05)*, April 2009.
- [7] Min Wu, Chang Wen Chen, "Multiple bitstream image transmission over wireless sensor networks", In: *Sensors*, October 2003, *Proceedings of IEEE (Vol. 2, pp. 727-731)*. IEEE.
- [8] Ferrigno, L., S. Marano, V. Paciello, A. Pietro santo (2005). "Balancing computational and transmission power consumption in wireless image sensor networks", In: *IEEE International Conference on Virtual Environments, Human-Computer Interfaces, and Measures Systems (VECIMS 2005)*, Giardini Naxos, Italy.
- [9] Huaming Wu, Alhussein A. Abouzeid, "Error resilient image transport in wireless sensor networks", *Elsevier, Computer Networks*, 2006; 50:2873-2887.
- [10] Min Wu, Chang Wen Chen, "Multiple bitstream image transmission over wireless sensor networks", In: *Sensors*, October 2003, *Proceedings of IEEE (Vol. 2, pp. 727-731)*. IEEE.
- [11] Cristian Duran-Faundez, "Transmission of images on wireless sensor networks under the constraint of energy", Ph.D. dissertation, Henri Poincaré University, Center of Research in Automation of Nancy, June 2009.
- [12] Vincent Lecuire, Cristian Duran-Faundez, Nicolas Krommenacker, "Energy-efficient transmission of wavelet-based images in wireless sensor networks",*EURASIP J. Image Video Process* 2007; Article ID. 47345, 11 pages.
- [13] K. S. Thyagarajan, "Still Image and Video Compression with MATLAB", Published by JOHN WILEY & SONS, INC, 2011, ISBN 978-0-470-88692-2, 442 pages.
- [14] Kaddachi Lassaad, Soudani Adel, Lecuire Vincent, Tourki Kholdoun, Mekkaoui Leila, Moureaux Jean-Marie, "Low power hardware-based image compression solution for wireless camera sensor networks", *Computer Standards and Interfaces*, 2012; 34:14-23.
- [15] Mekkaoui Leila, Vincent Lecuire, Jean-Marie Moureaux, "Camera Sensor Networks", Published in the 2nd International Conference on Image Processing Theory, Tools and applications, IPTA 2010.
- [16] C.A. Christopoulos, T. Ebrahimi, N. Skodras, "JPEG2000: the new still picture compression standard", In *Proceedings of the 2000 ACM workshops on multimedia*. ACM Press. Los Angeles, California, United States. pp. 45–49.
- [17] R. Wagner, Robert Nowak, R. Baraniuk, "Distributed image compression for sensor networks using correspondence analysis and super-resolution", In: *Proceedings of 2003 International Conference on Image Processing (ICIP)*. Vol. 1. pp. 597–600.
- [18] Marino, Francesco Maria, Vincenzo Piuri and Jr. Earl E. Swartz lander (1999). A parallel implementation of the 2-D discrete wavelet transform without interprocessor communications. *IEEE Transactions on Signal Processing*, 47(11), 3179–3184.
- [19] CHEFI Ahmed, "Design of a micro CMOS image sensor with low energy consumption for networks of wireless sensors", doctoral thesis, the EEATS Doctoral School, University of GRENOBLE, 28/01/2014.
- [20] Qin Lu, Wusheng Luo, Jidong Wang, Bo Chen, "Low complexity and energy efficient image compression scheme for wireless sensor networks", *Elsevier, Computer Networks*, 2008; 52 (13): 2594-2603.
- [21] Jean-Paul Dubus, "Compression of static and dynamic images, Technical journal of engineer", Date of publication: 10 March 1996.
- [22] McFarlane N, Schofield C., "Segmentation and tracking of piglets in images, *Machine Vision Appl* 1995; 8(3): 187-193.
- [23] McFarlane N, Schofield C. Segmentation and tracking of piglets in images, *Machine Vision Appl* 1995; 8(3): 187-193.
- [24] Binnie T. d., Thomson M. S and Wan C. L, Development O A Real Time Image Analysis System For Traffic Monitoring Application", *Knowledge Based Systems For Civil And Structural Engineering*, pp. 189-195, 1993.
- [25] Ali A T., Bulas-Cruz J., Dagless E. L., "Real-Time Motion Detection and Tracking" *Proceedings of the 8th Scaninavian Coference On Image Analysis: Tromsoe*, mai 25-28, vol. 9612, n°. 1, pp. 515-522, 1993.
- [26] H. Wu, A.A. Abouzeid, "Energy efficient distributed JPEG2000 image compression in multihop wireless networks" *ASWN* 2004. pp 152-160.

[27] W. B. Huang, W. Y. Su, Y. H. Kuo, "VLSI implementation of a modified efficient SPIHT encoder", *IEEE Trans. Fundamentals.*, vol. E89-A, no.12, pp. 3613-622, Dec. 2006.

[28] H. Salem, N. Mohamed, "Middleware challenges and approaches for wireless sensor networks", *IEEE Distributed Systems Online*, 7(3):1, 2006.