

PUBLICATIONS

Journals

- J-1.** J.N. Ellinas, P.S. Drossinopoulos, D.E. Manolakis, "Simulation technique of a microwave power FET", *Modeling, Measurement & Control, A*, Vol. 49, No 2, pp. 49-59, 1993.
- J-2.** J.N. Ellinas, P.S. Drossinopoulos, "Simulation of FET with long gate", *Journal of Technical Chamber of Greece*, Vol. 13, No. 4, pp. 33-47, 1993.
- J-3.** J.N. Ellinas, "Coupling between braided coaxial cables over a ground plane", *Modeling, Measurement & Control, A*, Vol. 54, No. 2, pp. 47-60, 1994.
- J-4.** C.C. Lefas, D.E. Manolakis, J.N. Ellinas, "A robust and efficient algorithm for maneuvering target tracking", *Advances in Modeling & Analysis, B*, Vol. 29, No. 4, pp. 27-40, 1994.
- J-5.** J. N. Ellinas, T. Mandadelis, A. Tzortzis, L. Aslanoglou, "Image de-noising using wavelets", *Journal of Applied Research of TEI of Piraeus*, vol. IX, no.1, pp. 97-109, 2004.
- J-6.** J. N. Ellinas, M. S. Sangriotis, "Stereo Image Compression Using Wavelet Coefficients Morphology", *Journal of Image & Vision Computing*, vol. 22, no. 4, pp. 281-290, 2004.
- J-7.** J. N. Ellinas, M. S. Sangriotis, "Stereo video coding based on quad-tree decomposition of B-P frames by motion and disparity interpolation", *IEE Proceedings on Vision, Image & Signal Processing*, vol. 152, no. 5, pp. 639-647, 2005.
- J-8.** J. N. Ellinas, M. S. Sangriotis, "Stereo Image Coder Based on the MRF Model for Disparity Compensation", *EURASIP Journal on Applied Signal Processing*, vol. 2006, no. 73950, pp. 1-13, 2006.
- J-9.** J. N. Ellinas, M. S. Sangriotis, "Morphological Wavelet-Based Stereo Image Coders", *Journal of Visual Communication and Image Representation*, vol. 17, no. 4, pp. 686-700, 2006.
- J-10.** John N. Ellinas, "A Robust Wavelet-Based Watermarking Algorithm Using Edge Detection", *International Journal of Computer Science*, vol. 2, no. 3, pp. 206-211, 2007.
- J-11.** John N. Ellinas, Panagiotis Kenterlis, "A Wavelet-Based Watermarking method Exploiting the Contrast Sensitivity Function", *International Journal of Signal Processing*, vol. 3, no. 4, pp. 266-272, 2007.
- J-12.** D. Mandalidis, P. Kenterlis, J. N. Ellinas, "A Computer Architecture Educational System based on a 32-bit RISC Processor", *International Review on Computers and Software*, vol. 3, no. 1, pp. 114-119, January 2008.
- J-13.** John N. Ellinas, "Stereo Image Reversible Watermarking", *International Review on Computers and Software*, vol. 3, no. 5, pp. 457-464, Sept. 2008.
- J-14.** John N. Ellinas, "Reversible Watermarking on Stereo Image Sequences", *International Journal of Information and Communication Engineering*, vol. 5, no. 3, pp. 210-215, 2009.

- J-15. M. D. Zachariadis, J. N. Ellinas, "LED based Multi-Touchpad application", *Journal of International Review on Computers and Software*, vol. 6, no. 1, pp. 91-95, Jan 2011.
- J-16. Zacharenia I., Garofalaki, John T. Amorginos, John N. Ellinas, "Object Motion Tracking Based On Color Detection for Android Devices", *International Journal of Computer, Electrical, Automation, Control and Information Engineering*, vol. 9, no. 4, pp. 893-896, 2015.

Conferences

- C-1. K. Kourakos, J. N. Ellinas, L. Aslanoglou, "Weighing Systems of Moving Load based on Digital Signal Processing Techniques", *2nd Conference of «Archipelagos Technologies»*, TEI of Piraeus, April 2002.
- C-2. J. N. Ellinas, M. S. Sangriotis, "Modern Techniques of Image Compression", *2nd Conference of «Archipelagos Technologies»*, TEI of Piraeus, April 2002.
- C-3. J. N. Ellinas, D. E. Manolakis, "Efficiency Analysis of a Digital Weighing System of Moving Load", *4th International Conference on Technology and Automation*, Thessaloniki, pp. 342-346, Oct 2002.
- C-4. J. N. Ellinas, M. S. Sangriotis, "Stereo Video Coding Based on Interpolated Motion and Disparity Estimation", *EURASIP 3rd International Symposium on Image and Signal Processing and Analysis*, pp. 301-306, Rome, Sept. 2003.
- C-5. J. N. Ellinas, M. S. Sangriotis, "A Novel Stereo Image Coder based on Quad-Tree Analysis and Morphological Representation of Wavelet Coefficients", *1st International Conference on Information Technology and Quality*, Athens, June 2004.
- C-6. J. N. Ellinas, M. S. Sangriotis, "Stereo Image Coder based on MRF Analysis for Disparity Estimation and Morphological Encoding", *IEEE 2nd International Symposium on 3D Data Processing, Visualization and Transmission*, Thessaloniki, Sept. 2004.
- C-7. J. N. Ellinas, T. Mandadelis, A. Tzortzis, "The statistical modelling of wavelet coefficients as a tool for image de-noising", *2nd International Conference on Information Technology and Quality*, Spetses, June 2005.
- C-8. J. N. Ellinas, D. E. Manolakis, "Image De-noising based on the Statistical Modelling of Wavelet Coefficients and Quad-Tree Decomposition", *5th International Conference on Technology and Automation*, Thessaloniki, Oct. 2005.
- C-9. K. Kalotychos, C. Gkikas, P. Kenterlis, J. Ellinas, "Autonomous mobile application enabling direct briefing via RSS by networks of mobile telecommunications (GPRS, 3G)", *1st International Scientific Conference eRA*, Tripolis, Sept. 2006.
- C-10. John Vlachoyiannis, Panagiotis Kenterlis, John N. Ellinas, "A generic purpose, cross-platform, high extensible virtual machine", *1st International Scientific Conference eRA*, Tripolis, Sept. 2006. **(Best paper award in session for new scientists)**.
- C-11. Dimitris Mandalidis, Panagiotis Kenterlis, Panagiotis Drosinopoulos, John N. Ellinas, "A Computer Architecture Educational System", *1st International Scientific Conference eRA*, Tripolis, Sept. 2006.

- C-12.** J. N. Ellinas, D. E. Manolakis, "A robust watermarking scheme based on edge detection and contrast sensitivity function", *2nd International Conference on Computer Vision Theory and Applications*, Barcelona, March 2007.
- C-13.** John N. Ellinas, "A Robust Wavelet-Based Watermarking Algorithm Using Edge Detection", *4th International Conference on Cryptography, Coding & Information Security*, vol. 25, pp. 438-443, Venice, November 2007.
- C-14.** A. Karantonis, J. N. Ellinas, "Self embedding watermarking for preventing image content from tampering", *International Conference in Information Technology (eRA4), Spetses*, Greece, Sept. 2009.
- C-15.** M. Zaxariadis, J. N. Ellinas, "Single-touch and multi-touch LED screen", *International Conference in Information Technology (eRA4)*, Spetses, Greece, Sept. 2009.
- C-16.** A. Xalas, N. Sgouros, P. Kouros, J. N. Ellinas, "One Display for a Cockpit Interactive Solution: The Technology Challenges", *International Conference in Information Technology (eRA4)*, Spetses, Greece, Sept. 2009.
- C-17.** Nicholas Sgouros, John Ellinas, Manolis Sangriotis, "A Reversible Self Watermarking Framework for Integral Images", *IEEE The Eighth International Conference on Intelligent Information Hiding and Multimedia Signal Processing*, Athens, July 2012. **(Best paper award).**
- C-18.** Antonis Archontis, John Ellinas, Efthimios Alepis, "Leap Motion Gesture Handling on an Android Mobile Device", *International Scientific Conference eRA-10*, Piraeus University of Applied Sciences, September 2015.
- C-19.** Garofalaki Z., Kallergis D., Katsikogiannis G., Ellinas I. and Douligeris C. (2016), "Transport services within the IoT ecosystem using localisation parameters", *16th IEEE Symposium on Signal Processing and Information Technology (ISSPIT2016)*, 12-14 Dec., Limassol, Cyprus, pp. 87-92.
- C-20.** Garofalaki Z., Kallergis D., Katsikogiannis G., Ellinas I. and Douligeris C., "A DSS Model for IoT-based Intelligent Transportation Systems", *International Symposium on Signal Processing and Information Technology (ISSPIT)*, 18-20 Dec 2017, Bilbao, Spain.