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Publications

Journal Papers

- Samarakou, M., Fylladitakis, E.D., Karolidis, D Früh W.G., Hatziapostolou, **Athineos, S.**, Grigoriadou M., (2016) 'Evaluation of an intelligent open learning system for engineering education', Knowledge Management & E-Learning: An International Journal, Vol.8, No.3, Sept **2016**, pp 496–513
- Valais, G. Koulouras, G. Fountos, C. Michail, D. Kandris and **S. Athinaios**, 'Design and Construction of a Prototype ECG Simulator', *e-Journal of Science & Technology (e-JST)*, May **2016**
- Maria Samarakou, Andreas Papadakis, Pantelis Prentakis, Dimitrios Karolidis, **Spyros Athineos**, "[A Fuzzy Model for Enhanced Student Evaluation](#)", International Journal of Learning, ISSN: 1447-9494, Vol. 16, Issue 10, pp. 103-118, Dec. **2009**
- G.Passalis, N.Sgouros, **S.Athineos** and T.Theoharis, "[Enhanced Reconstruction of three-dimensional Shape and Texture from Integral Photography images](#)," in Appl. Optics, **46**, pp. 5311-5320, Aug. **2007**
- Nicholas P. Sgouros, **Spyros S. Athineos**, Manolis S. Sangriotis, Panagiotis G. Papageorgas, Nikiforos G. Theofanous, "[Accurate Lattice Reconstruction of Integral Photography Images](#)," in Optics Express, 14(22), pp.10403-10409, Oct. **2006**
- **S.Athineos**, N.Sgouros, P.Papageorgas, D.Maroulis, M.Sangriotis, N.Theofanous "[Photorealistic Integral Photography using a Ray Traced Model of Capturing Optics](#)," in Journal of Electronic Imaging, Vol. 15(4), pp. 43007-43014, Oct./Dec. **2006**

- C. Metaxaki-Kossionides, **S.S.Athenaios**, C.A.Caroubalos, "[A method for compression reconstruction of ECG signal](#)," in Journal of Biomedical Engineering, Volume 3, Issue 3, pp.214-216, July **1981**

International Conference Papers

- Samarakou, Maria; Mitsoudis, Dimitrios; Prentakis, Pantelis; Karolidis, Dimitrios; **Athinaios, Spyros** "Application of Fuzzy Logic for the Assessment of Engineering Students", IEEE Global Engineering Education Conference (EDUCON) 2017, 25-28 April **2017**, Athens, pp 641-645
- Tselikas, N.D., Samarakou, M., Karolidis, D., Prentakis, P., **Athineos, S.**, (2014) "Automatic Plagiarism Detection In Programming Laboratory Courses", Proceedings of 7th IADIS International Conference on Information Systems, 28 February – 2 March **2014**, pp.232-238
- Samarakou, M., Fylladitakis, E. D., Prentakis, P., **Athineos, S.**, (2014) "Implementation of Artificial Intelligence Assessment in Engineering Laboratory Education" Proceedings of 8th Multi Conference on Computer Science and Information Systems, 15-19 July **2014**, pp299-303.
- Petropoulos, A. Moschos, **S. Athineos**, G. Kaltsas, "[A thermal accelerometer directly integrated on organic substrate](#)", Procedia Engineering, Elsevier, Volume 25, Pages 643–646, **2011**, EurosensorsXXV
- N.P.Sgouros, D. Chaikalis, **S.S.Athineos**, D.Maroulis, N. Theofanous "[Performance Considerations for a Real-Time Integral Image Camera in Ray Tracing Environments](#)", A. Campilho and M. Kamel (Eds.): ICIAR 2008, LNCS 5112, pp. 379–384, Springer-Verlag Berlin Heidelberg **2008**.
- P. Papageorgas, **S. Athineos**, N. Sgouros, N. Theofanous, "[3D capturing devices based on the Principles of Integral Photography](#)", T.E.I of Piraeus & University of Paisley, 1st International Scientific Conf. eRA, Sept. 16-17, Tripoli, **2006**.
- **S.Athineos**, N.Sgouros, P.Papageorgas, D.Maroulis, M.Sangriotis, N.Theofanous, "[Physical Modeling of a Microlens Array Setup for Use in ComputerGenerated IP](#)" in Stereoscopic Displays and Virtual Reality Systems XII, ed. Andrew J. Woods, Mark T. Bolas, John O. Merritt, Ian E. McDowall, Proc. of SPIE - IS&T, Electronic Imaging, SPIE Vol. 5664, pp. 472-479, SPIE and IS&T, **2005**.
- N.Sgouros, **S.Athineos**, P.Mardaki, A.Sarantidou, M. Sangriotis, P. Papageorgas, N. Theofanous "[Use of an Adaptive 3D-DCT Scheme for Coding Multiview Stereo Images](#)", in the 5th IEEE International Symposium on Signal Processing and

Information Technology (IEEE ISSPIT 2005), Athens, Greece, December 2005, Proceedings pp.180-185 (**2005**).

- C.Caroubalos, C.Metaxaki, **S.Athenaios**, D.Kotsis, "[Improvement of the reconstruction and control of the compressor output](#)", 2nd International conference on information sciences and systems, Proc INFO II, pp. 165-172, Univ. of Patras, 1979, Advances in Communication, pages 165-172, Reidel.
- C.Caroubalos, C.Metaxaki, **S.Athenaios**, "[A method for compression reconstruction of ECG signal](#)" in Biological Engineering Society-20th Anniversary International Conference, London, 23-28 March **1980**.

National Conference Papers

- N.G. Theofanous, N.P. Sgouros, S.S. Athineos, P.G. Papageorgas, M.S. Sangriotis, D.E. Maroulis, "Stereoscopic Arrays - Integral Photography", 10th Conference of Greek Physics Union, Loytraki, 2004.
- N.G. Theofanous, N.P. Sgouros, **S.S. Athineos**, P.G. Papageorgas, M.S. Sangriotis, "Three Dimension Modelling and Representations for Application on Intervene Medical Practice with Laser", Laser Olympics 2004, Eygenidio Institute, Oct. 2004, Athens