

## Syndoukas Dimitrios

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Dimitrios Syndoukas is an associate professor at the Department of Business Administration of the University of Western Macedonia. He holds a degree in Physics from the University of Patras, a degree in Informatics from the Hellenic Open University (EAP) and a PhD with the title: "Color Image Processing with non-linear methods" from the Department of Physics of the University of Patras. He has taught many courses at undergraduate and postgraduate level such as: Operating Systems (Unix), Computer Programming (C language), Object Oriented Programming (C++ language), Database Structures and Databases, Cloud Computing, Health Information Systems, Data Structures and Algorithms (Python language), Signal and Image Processing, Technologies Multimedia and Internet, Graphics - Virtual Reality, Modern applications of information technology in business and the economy and Development of online applications as well as the supervision of undergraduate and postgraduate diploma theses at the TEI of Western Macedonia, the University of Western Macedonia and the University of Macedonia. He has published over the years in authoritative scientific journals such as: IEEE Signal Proc. Letters, Neurocomputing, Intelligent Systems with Applications, International Journal of Energy Economics and Policy (IJEEP), International Journal of Professional Business Review, Journal of Infrastructure, Policy and Development, International Journal of Applied Economics, Finance and Accounting, Journal of System and Management Sciences. His research fields include: Digital signal processing, Neural networks, Artificial intelligence.

### Selected Publications

1. Olympia Papaevangelou, Syndoukas Dimitrios, Stavros Kalogiannidis, Stamatis Kontsas (2023) "Information Technology and Human Resource Management in Educational Institutions", Journal of System and Management Sciences, Vol. 13, No. 2, pp. 258-272.
2. Olympia Papaevangelou, Dimitrios Syndoukas, Stavros Kalogiannidis, Fotios Chatzitheodoridis (2024) "Efficacy of embedding IT in Human Resources

- (HR) practices in Education Management”, Journal of Infrastructure, Policy and Development, 8(1), 2371.
3. Stavros Kalogiannidis, Dimitrios Syndoukas, Olympia Papaevangelou, Fotios Chatzitheodoridis (2023) “Relationship between Business communication and business sustainability in times of uncertainty. A case study of Greece”, International Journal of Professional Business Review, Miami, v. 8, n. 5, pp. 01-27, e01477.
  4. Panagiotopoulos D, Orovas C, Syndoukas D (2022) “Neural network based autonomous control of a speech synthesis system”, Intelligent Systems with Applications 14, 200077.
  5. Panagiotopoulos D, Orovas C, Syndoukas D (2010) “A heuristically enhanced gradient approximation (HEGA) algorithm for training neural networks”, Neurocomputing 73 (7-9), 1303-1323.
  6. Sindoukas D, Laskaris N, Fotopoulos S (1997) “Algorithms for color image edge enhancement using potential functions”, IEEE Signal Processing Letters 4 (9), 269-272.
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#### **Στοιχεία επικοινωνίας**

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