

# Lista de lucrari publicate

## Jurnale (ISI)

1. Lavric Alexandru, Popa Valentin, **Sfichi Ștefan**, *Adaptive Channel Selection Algorithm for a Large Scale Street Lighting Control ZigBee Network*, 17th International Conference ELECTRONICS 2013 (Factor de impact 0,91), ISSN:1392-1215

## ISI Proceedings

1. **Ștefan Sfichi**, Adrian Graur, Valentin Popa, Ilie Finis, A. Lavric, *Innovative Movement Monitoring System for Elderly using Passive Infrared and Linear Phased Antenna*, 15th WSEAS International Conference on Automatic Control, Modelling & Simulation, 2013 (ISI proceedings), ISSN 1790-5117

2. Ilie Finis, Valentin Popa, Alexandru Lavric, **Ștefan Sfichi**, *A smart shelves HF RFID system for metallic environments*, Electrical Review (Przeegląd Elektrotechniczny), ISSN 0033-2097

## B+

1. **Sfichi S.**, *Big Digital Media Databases Impacting E-Commerce*, The USV Annals of Economy and Public Administration, dec 2018, ISSN 2285 – 3332, ISSN-L 2285 – 3332

2. **Sfichi S.**, *The Need of Cryptocurrency on Today's Market and the Evolution of the Needed Processing Power*, The 14th Economic International Conference: Strategies and Development Policies of Territories: International, Country, Region, City, Location Challenges | May 10-11, 2018 | Ștefan cel Mare University of Suceava, Romania (pp. 441-448). Iasi, Romania: LUMEN Proceedings. <https://doi.org/10.18662/lumproc.94>

3. **Sfichi S.**, *The Evolution of the Processing Power Needed by the Primary Cryptocurrencies and its profit*, Journal of Applied Computer Science & Mathematics, Issue 1, (Vol. 12) / 2018, pp. 44-49, DOI: <https://doi.org/10.4316/JACSM.201801007>,

4. Simion Daniel, Graur Adrian, Alexandru Lavric, **Ștefan Sfichi**, Mahdi, A.H., *An optimize Particle Swarm Optimization routing algorithm for data transmission in Cognitive Radio Networks*, Electronics and Telecommunications (ISETC), 2012 10th International Symposium, DOI: 10.1109/ISETC.2012.6408148, ISBN: 978-1-4673-1177-9, B+ (BDI IEEE Xplore)

5. Finis Ilie, Popa Valentin, Lavric Alexandru, Males Codrin, **Sfichi Ștefan**, *Performance Evaluation of 13.56 MHz RFID Antenna Operating in Metallic Environments*, 2012 20th Telecommunications Forum Telfor (TELFOR), DOI: 10.1109/TELFOR.2012.6419432, ISBN: 978-1-4673-2983-5, B+ (BDI IEEE Xplore)

6. **Ștefan Sfichi**, Adrian Graur, Valentin Popa, Ilie Finiș, Adrian I. Petrariu, *An Original Movement Monitoring System for the Elderly using a WSN protocol*, Proceedings of the 11th International Conference on Development and Application Systems - Abstracts Book, 2012, ISSN: 1844-5020, (BDI Scirus, Google Scholar)

7. Ilie Finis, Valentin Popa, Alexandru Lavric, Adrian-I. Petrariu, **Ștefan Sfichi**, *The Design and Implementation of a HF RFID Loop Antenna for Metallic Environments*, Proceedings of the 11th International Conference on Development and Application Systems - Abstracts Book, ISSN: 1844-5020, (BDI Scirus, Google Scholar)

## **Teză doctorat**

1. **SFICHI S.**, *Contributii privind imbunatatirea sistemelor wireless in case inteligente*, Suceava 2013, coordonator prof. Univ. dr. ing. Adrian Graur

## **Cărți**

1. **SFICHI S.**, *Contributii privind imbunatatirea sistemelor wireless in case inteligente*, MATRIXROM, București 2018, ISBN: 978-606-25-0431-1

2. **SFICHI S.**, *Big Digital Media Databases*, Infodata Cluj-Napoca 2019, ISBN 978-973-1803-81-4

