

# LISTĂ LUCRĂRI ȘTIINȚIFICE PUBLICATE

## I. Teza de doctorat

**Developing Effective Multi-Objective Optimization Methods for Complex Computing Systems**

R Chiș, Universitatea Lucian Blaga Sibiu, 2017

## II. Publicații

**1. Forecasting Electricity Consumption and Production in Smart Homes through Statistical Methods**

Arpad Gellert, Ugo Fiore, Adrian Florea, Radu Chis, Francesco Palmieri

Sustainable Cities and Society, ISSN 2210-6707, Volume 76, 2022

**2. Multi-objective optimization for an enhanced multi-core sniper simulator**

R Chiș, A Florea, C Buduleci, L Vințan

Proceedings of the Romanian Academy Series A - Mathematics Physics Technical Sciences Information Science, 19 (1), 85-93, 2018

**3. Developing Automatic Multi-Objective Optimization Methods for Complex Actuators**

R Chiș, L Vințan

Advances in Electrical and Computer Engineering 17 (4), 89-98, 2017

**4. Improving computing systems automatic multiobjective optimization through meta-optimization**

L Vințan, R Chiș, MA Ismail, C Coțofană

IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2016

**5. Enhancing the Snipers simulator with thermal measurement**

A Florea, C Buduleci, R Chiș, A Gellert, L Vințan

2014 18th International Conference on System Theory, Control and Computing, 2014

**6. Multi-objective hardware-software co-optimization for the SNIPER multi-core simulator**

R Chiș, L Vințan

2014 IEEE 10th International Conference on Intelligent Computer Communication and Processing, 2014

**7. Multi-objective DSE algorithms' evaluations on processor optimization**

R Chiș, M Vințan, L Vințan

2013 IEEE 9th International Conference on Intelligent Computer Communication, 2013

**8. The Temperature Dependent Anisotropy Influence on the Magnetic Behavior of Thin Films**

E Bîrsan, R Chiș

Acta Physica Polonica A 120 (6), 1065-1069, 2011

**9. Numerical Study on the Magnetic Properties of the Single Layer Unpurified Thin Film**

E Bîrsan, R Chiș

Modern Physics Letters B 24 (10), 971-977, 2010



**10. Monte Carlo Study of Multilayer Films using Anisotropic Extended Heisenberg Model With Dipolar Interaction**

E Bîrsan, A Dobrița, R Chiș

Modern Physics Letters B 23 (4), 643-653, 2009

**11. Monte Carlo Study on Induced Antiferromagnetic Phase in Bilayer Films using Anisotropic Extended Heisenberg Model**

E Bîrsan, R Chiș, A Dobrița

Acta Physica Polonica A 113 (6), 1701-1707, 2008

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