

**Domeniul: Informatică**  
**Poz. 10, conferențiar universitar**  
**Candidată: Crișan Gloria Cerasela**

## **LISTA DE LUCRĂRI**

### **Publicații relevante**

1. Lahrichi N., Crainic T.G., Gendreau M., Rei W., **Crișan G.C.**, Vidal T. - An integrative cooperative search framework for multi-decision-attribute combinatorial optimization: Application to the MDPVRP, *European Journal for Operational Research*, 246, 400-412, 2015
2. **Crișan G.C.**, Pinteș C.M., Pop P.C. - On the resilience of an Ant-based System in fuzzy environments. An empirical study, *Proceedings of IEEE Congress on Fuzzy Systems (FUZZ-2014)*, 2588-2593, Beijing, China, 2014
3. Czubala G, **Crișan G.C.**, Pinteș C.M., Czubala I.G. - Soft Computing approaches on the Bandwidth Problem, *Informatica*, 24, 2, 169-180, 2013
4. Pinteș C.M., **Crișan G.C.**, Chira C. - Hybrid ant models with a transition policy for solving a complex problem, *Logic Journal IGPL*, 20, 3, 560-569, 2012
5. **Crișan G.C.**, Pinteș C.M., Chira C. – Risk assesment for incoherent data, *Environmental Engineering and Management Journal*, 11, 12, 2169-2174, 2012
6. **Crișan G.C.**, Nechita E., Talmaciu M. – How often does the Parrondo effect appear?, *Fluctuation and Noise Letters* 7, 2, C19-C25, 2007
7. **Crișan G.C.** – Concurrent computing for financial systems, în: Popescu C.V., **Crișan G.C.** (Eds) – *Statistics and Applications. A Computational Perspective*. Lambert Academic Publishing, 2015
8. **Crișan G.C.** – Concurrent computing, în: Pătruț B., **Crișan G.C.** (Eds.) – *Modern Paradigms in Computer Science and Applied Mathematics: a handbook for PhD students and researchers*, AVM, München, 2011
9. **Crișan G.C.** – *Algoritmi paraleli și distribuiți*, Ed. Alma Mater, Bacău, 2014
10. **Crișan G.C.** – *Logica computațională*, Ed. Alma Mater, Bacău, 2011

### **Teza de doctorat**

**Crișan G.C.** – *Metode euristice Ant în Inteligența Artificială*, Facultatea de Informatică, Universitatea „Alexandru Ioan Cuza” din Iași, 2007

### **Cărți și capitole de cărți**

1. **Crișan G.C.** – Stochastic models for financial systems, în: Popescu C.V., **Crișan G.C.** (Eds) – Statistics and Applications. A Computational Perspective. Lambert Academic Publishing, 2015
2. Todoroi D., Micușă D., Nechita E., **Crișan G.C.** – Bazele informaticii, Ed. PIM, Iași, 2007
3. Todoroi D., Nechita E., **Crișan G.C.** – Baze de date pentru economiști, Ed. Performantica, Iași, 2005
4. **Crișan G.C.**, Nechita E., Pătruț B., Furdu I. – Tehnologia informației pentru economiști, Ed. EduSoft, Bacău, 2005
5. **Crișan G.C.**, Nechita E. – Simularea evenimentelor aleatoare, Ed. EduSoft, Bacău, 2005
6. Nechita E., **Crișan G.C.** – PC pentru toți: aplicații, Ed. Polirom, Iași, 2003
7. Nechita E., **Crișan G.C.**, Bogza L. – Programarea și utilizarea calculatoarelor, Ed. Plumb, Bacău, 2001

### **Cursuri**

1. **Crișan G.C.** – Tehnologii informaționale și de comunicare, Ed. Alma Mater, Bacău, 2011
2. **Crișan G.C.** – Operare pe calculator, Universitatea din Bacău, 2008
3. Nechita E., **Crișan G.C.** – Sisteme informatice în marketing, Universitatea din Bacău, 2007
4. Nechita E., **Crișan G.C.** – Bazele informaticii, Universitatea din Bacău, 2005
5. Nechita E., **Crișan G.C.** – Informatică, Universitatea din Bacău, 2004
6. Nechita E., Pătruț B., **Crișan G.C.** – Tehnologia informației, Universitatea din Bacău, 2004
7. Nechita E., **Crișan G.C.**, Furdu I.M. – Programare in C/C++. Teaching aids, Universitatea din Bacău, 2004
8. Nechita E., **Crișan G.C.** - Informatică, Universitatea din Bacău, 2003

### **Lucrări publicate**

1. Pintea C.M., Ludwig S.A., **Crișan G.C.** - Adaptability of a Discrete PSO Algorithm applied to the Traveling Salesman Problem with Fuzzy Data, Proc. of IEEE Congress on Fuzzy Systems (FUZZ-IEEE-2015), Istanbul, 2015 DOI: 10.1109/FUZZ-IEEE.2015.7337839
2. **Crișan G.C.**- Overview on uncertain variants of the Traveling Salesman Problem, Annals of "Dunarea de Jos" University of Galati, Mathematics, Physics, Theoretical Mechanics ii, year vi (xxxvii), 123-131, 2014
3. **Crișan G.C.**- On robustness of Ant Colony Optimization, Scientific Studies and Research Series Mathematics and Informatics, 23, 1, 23-28, 2013
4. Pintea C.M., **Crișan G.C.**, Manea M. - Parallel ACO with a Ring Neighborhood for Dynamic TSP, Journal of Information Technology Research 5(4), 1-13, 2012
5. Pintea C.M., **Crișan G.C.**, Chira C. - A Hybrid ACO Approach to the Matrix Bandwidth Minimization Problem, The 5th International Conference on Hybrid Artificial Intelligence Systems, San Sebastian, Spain, 2010. In: Manuel Graña Romay, Emilio Corchado and M. Teresa Garcia Sebastian (Eds.): Lecture Notes in Computer Science, 6076, Springer-Verlag: 405-412

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7. Crainic T.G., **Crişan G.C.**, Gendreau M., Lahrichi N., Rei W. - A Concurrent Evolutionary Approach for Rich Combinatorial Optimization, Genetic and Evolutionary Computation Conference GECCO 2009, Montréal, Canada, 2009. In: Proceedings of the 11th Annual Conference Companion on Genetic and Evolutionary Computation Conference (GECCO 09), 2017–2022, New York, NY, USA, 2009, ACM
8. Chira C, Pinte C.M., **Crişan G.C.**, Dumitrescu D. - Solving the Linear Ordering Problem Using Ant Models, Genetic and Evolutionary Computation Conference GECCO 2009, Montréal, Canada, 2009. In: Proceedings of the 11th Annual Conference Companion on Genetic and Evolutionary Computation Conference (GECCO 09), 1803-1804, New York, NY, USA, 2009, ACM
9. Pinte C.M., **Crişan G.C.**, Chira C., Dumitrescu D. - A Hybrid Ant-Based Approach to the Economic Triangulation Problem for Input-Output Tables, The 4th International Conference on Hybrid Artificial Intelligence Systems, Salamanca, Spain, 2009. In: LNCS 5572, 376-383, 2009, Springer-Verlag
10. Crainic T.G., **Crişan G.C.**, Gendreau M., Lahrichi N., Rei W. - Multi-thread Cooperative Optimization for Rich Combinatorial Problems, IEEE International Parallel & Distributed Processing Symposium, Rome, Italy, 2284-2291, 2009
11. Talmaciu M., Nechita E., **Crişan G.C.**– A recognition algorithm for a class of partitionable graphs that satisfies the normal graph conjecture, Studies in Informatics and Control, 18, 4, 349-354, 2009
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18. **Crişan G.C.**, Nechita E. – Ant system for a road network: Chişinău – Eastern Romania, International Symposium „European integration and economic competitiveness”, Chişinău, 2004, 238-241.
19. Nechita E., **Crişan G.C.**– A study on the perception of the informational society concept, International Conference „Science, Business, Society: evolutions and correlations during the integration in European economic space”, vol. I, Chişinău, 2004, 40-42.

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