

LISTA DE LUCRĂRI PUBLICATE

Doctorand: Petre (Dragomir) Elia Georgiana

Lucrări publicate în reviste ISI cu factor de impact

1. **Dragomir E.G.**, *A Multi Agent System For Monitoring And Analyzing The Air Quality Index*, Environmental Engineering and Management Journal, Iași, ((in curs de recenzare a variantei modificate după prima recenzie)
2. **Dragomir E.G.**, *Development of a multi agent based simulation system for air quality analysis*, Studies in Informatics and Control, nr. 4/2014, 10 pg.

Lucrări publicate în reviste BDI

1. **Dragomir, E. G.**, Oprea, M., *Forecasting Knowledge Extraction by Computational Intelligence Techniques*, Buletinul Institutului Politehnic din Iași, Tome LX (LXIV), Fasc. 3/ 2014, Automatic Control and Computer Science Section, 12 pg.
2. Oprea, M., Cărbureanu, M., **Dragomir, E. G.**, *AirQMAS: A Collaborative Multi-agent System for Air Quality Analysis*, Annals of the University of Craiova, series Automation, Computers, Electronics and Mechatronics, vol 9(37), No 1, July 2012, 7 pg., ISSN 1841-0626
3. **Dragomir, E.G.**, *Air Quality Index Prediction using K – Nearest Neighbor*, Bulletin of PG University of Ploiești., Vol. LXII, nr. 1/2010, Series Mathematics, Informatics, Physics
4. **Petre, E.G.**, *Artificial Intelligence Applied in Air Pollution Forecast*, Bulletin of PG University of Ploiești, Technical Series, ISSN 1224-8495, vol. LXI, nr. 3/2009, pg. 389- 294
5. **Petre, E.G.**, *A Decision Tree for Weather Prediction*, Bulletin of PG University of Ploiești, Series Mathematics, Informatics, Physics, ISSN 1224-4899, vol. LXI, nr. 1/2009, pg. 53-58
6. Schiopu, D., **Petre, E.G.**, Negoita, C., *Weather Forecast Using SPSS Statistical Methods*, Bulletin of PG University of Ploiești, Series Mathematics, Informatics, Physics, ISSN 1224-4899, vol. LXI, nr. 1/2009
7. **Petre, E.**, *AgentAirPol System, an Agent-based System for Air Pollution Analysis*, Bulletin of PG University of Ploiești, Series Mathematics, Informatics, Physics, ISSN 1224-4899, Vol. LX, Nr.1/2008, pg 63-72

8. **Petre, E.**, *Comparative Study of Some Air Pollution Software*, Bulletin of PG University of Ploiești, Series Mathematics, Informatics, Physics, ISSN 1224-4899, Vol. LIX, Nr.2/2007, pg 55-58
9. **Petre, E.**, *A Practical Implementation of a Data Mining Technique*, Bulletin of PG University of Ploiești, Series Mathematics, Informatics, Physics, ISSN 1224-4899, Vol. LIX Nr 1/2007, pg 51-56

Lucrări publicate în volumele unor conferințe internaționale (ISI, Springer, IFAC)

1. **Dragomir, E.G.**, Oprea, M., *Air quality Forecasting by using Nonlinear modeling Methods*, **22nd International conference on Nonlinear Dynamics of Electronic Systems**, NDES, Albena, Bulgaria, 4-6 July 2014
2. **Dragomir, E.G.**, Oprea, M., *A Multi-Agent System for Power Plants Air Pollution Monitoring*, **2nd IFAC Workshop Convergence of Information Technologies and Control Methods with Power Systems**, Cluj – Napoca 2013, pg. 97 – 102, ISBN 978-973-713-306-9
3. Oprea, M., **Dragomir, E.G.**, Cărbureanu, M., *On the use of collaborative intelligence in an agent-based environmental monitoring and analysis system*, Proceedings of **ICSTCC 2011**, Sinaia, 6 pg.
4. Oprea, M., Matei, A., **Petre, E.**, *Agent-based Modeling of a Dam Monitoring System*, Proceedings of CSCS-17, vol 2, International **Workshop MASTS**, pg. 509 – 514, 2009
5. **Dragomir, E.G.**, *Using evolutionary computation in air quality knowledge extraction*, Proceedings of 9th International Conference on Virtual Learning 2014, Octombrie 2014, pg 75 – 81, ISSN 1844 – 8933.
6. **Dragomir, E.G.**, *On The Evaluating the Personnel of an Air Quality Monitoring Network Using an Agent Based System*, Proceedings of 8th International Conference on Virtual Learning 2013, Octombrie 2013, pg 258- 263, ISSN 1844 – 8933
7. Toader F. A., **Dragomir E. G.**, *Designing E-Learning Courses Using Lectora*, Proceedings of 8th International Conference on Virtual Learning 2013, Octombrie 2013, pg 80- 84, ISSN 1844 - 8933
8. **Dragomir, E.G.**, *Teaching Performance Evaluation Using Supervised Machine Learning Techniques*, Proceedings of the 5th International Conference on Virtual Learning, Targu – Mures, pg. 390 – 394, Octombrie 2010
9. Toader F. A., **Dragomir E. G.**, *Evaluating research projects using a knowledge-based system*, Proceedings of the 5th International Conference on Virtual Learning, Targu – Mures, pg 386 – 389, Octombrie 2010

10. Oprea, M., **Petre, E.**, *Applying Agent-Based Technology to University Knowledge Management*, Proceedings of International Conference on Virtual Learning 2009, Octobrie 2009, Iasi, pg 265-275
11. **Dragomir, E.G.**, *Heart Disease Occurring Classification using Support Vector Machine*, Proceedings of the 2nd International Conference on Operational Research ICOR, 9 – 12 September 2010
12. **Dragomir, E. G.**, *An Intelligent System for Holiday Package Selection*, Proceedings of the 11th European Conference E-COMM-LINE, 2010, Bucharest , September 27-28, 2010
13. **Petre E.**, Chircu F., *An Example of Expert System Used in Economical Field*, AFASES 2009, The International Session of XI-th Scientific Papers “Scientific Research and Education in the Air Force”, 20-22 May 2009, Brasov, ISBN. 978-973-8415-67-6, 6 pagini
14. Carbureanu M., **Petre E.**, *The simulation of an Educational Platform*, Ministry Of Defence „Nicolae Bălcescu” Land Forces Academy, The 14th International Conference „The Knowledge Based Organization”, Land Forces Academy Publishing House, 27th – 29th November 2008, Sibiu.

Cărți și îndrumare de laborator publicate în edituri naționale

1. Nicoara S. E., Ionita L., **Petre E.**, *Inteligență Artificială - Indrumar de laborator*, Editura Universității Petrol – Gaze din Ploiesti, 2009, ISBN 978-973-719-287-5
2. Dumitrașcu L., Loloiu C., Șchiopu D., Șchiopu, D., Ionita L., **Dragomir, E.**, Borsos Z., *Dreamweaver si Javascript, PHP*, Editura UPG Ploiesti, 2013, ISBN 978-973-719-521-0
3. Tudor N. L., Șchiopu D., **Dragomir E. G.**, Chircu F. A., *Programarea calculatoarelor și limbaje de programare- Îndrumar de laborator*, Editura Universității Petrol – Gaze din Ploiești, 2010, 235 pagini, ISBN 978-973-719-370-4

Proiecte de cercetare-dezvoltare-inovare obținute prin competiție pe bază de grant, în calitate membru în colectiv

1. August 2014 – prezent, *Contract de cercetare 20SEE/ 30.06.2014* finanțat prin Mecanismul Financiar al Spațiului Economic European și bugetul de stat în cadrul Programului “Cercetare în Sectoare Prioritare”, **ROKIDAIR: Spre o protecție eficientă a copiilor la riscul de poluare a aerului din zonele urbane ale României**, având funcția de *membru*. Proiectul este implementat în parteneriat de Universitatea Valahia din Târgoviște, Norwegian Institute for Air Research, Universitatea Petrol – Gaze din Ploiești și Universitatea Politehnică din București, <http://www.valahia.ro/ro/proiecte/393-rokidair>