



Lista de lucrari Adrian Groza

2003-2020

Teza de abilitare

Logic-based Models of Argument, 2019
Universitatea Tehnica din Cluj-Napoca, Facultatea de Automatica si Calcu-
latoare

Teza de doctorat

Models for Online Dispute Resolution using Multi-agent Systems, 2008
Conducator: Prof. dr. ing. Ioan Alfred Letia
Universitatea Tehnica din Cluj-Napoca, Facultatea de Automatica si Calcu-
latoare

Carti si capitole in carti

Carti

1. Modelling puzzles in First Order Logic, Springer, 2020 (to appear)
2. Groza, A. Inteligenta Artificiala. Exercitii. 2019, UTPress, ISBN 978-606-737-290-8
3. Groza, A. and Slavescu, R. and Marginean, A. Introduction to Artificial Intelligence, 2018, UTPress, 978-606-737-290-8

4. Groza A. *Ontology Engineering with RacerPro – An Activity Based Approach*, 2013, UTPress, ISBN 978-973-662-991-4
5. Groza, A. and Prasath, R. eds., 2018. *Mining Intelligence and Knowledge Exploration: 6th International Conference, MIKE 2018, Cluj-Napoca, Romania, December 20–22, 2018, Proceedings (LNAI Vol. 11308)*. Springer.

Capitole in carti

1. A. Groza. *Interleaved Argumentation and Explanation in Dialog in Reasoning: Logic, Cognition, Games*, Mariusz Urbański, Tomasz Skura, Paweł Łupkowski, editors, College Publications, ISBN 978-1-84890-325-8, 119-140, (2020)
2. A. Groza. *On the differences between human agents and logic-based software agents discourse understanding*, *Extended, Revised and Invited papers at MIKE 2019*. Ponda, India, LNAI, Springer, 2020 (to appear)
3. Groza, A., Marginean, A. and Iancu, B., 2014. *Towards improving situation awareness during emergency transportation through ambulance-2-x communication and semantic stream reasoning*. In *International Conference on Advancements of Medicine and Health Care through Technology; 5th–7th June 2014, Cluj-Napoca, Romania* (pp. 97-100). Springer, Cham.
4. Gomez, S.A., Groza, A. and Chesñevar, C.I., 2014. *An argumentative approach to assessing safety in medical device software using defeasible logic programming*. In *International Conference on Advancements of Medicine and Health Care through Technology; 5th–7th June 2014, Cluj-Napoca, Romania* (pp. 167-172). Springer, Cham.
5. Groza, A., Letia, I.A., Goron, A. and Zaporojan, S., 2015. *A formal approach for identifying assurance deficits in unmanned aerial vehicle software*. In *Progress in Systems Engineering* (pp. 233-239). Springer, Cham.
6. Zaporojan, S., Moraru, V. and Groza, A., 2015. *An approach to schedule production using the reservation tables*. In *Progress in Systems Engineering* (pp. 615-620). Springer, Cham.

7. Letia, I.A. and Groza, A., 2010, May. Towards pragmatic argumentative agents within a fuzzy description logic framework. In *International Workshop on Argumentation in Multi-Agent Systems* (pp. 209-227). Springer, Berlin, Heidelberg.
8. Letia, I.A. and Groza, A., 2008. A planning-based approach for enacting world wide argument web. In *Intelligent Distributed Computing, Systems and Applications* (pp. 137-146). Springer, Berlin, Heidelberg.
9. Letia, I.A. and Groza, A., 2008, May. Contextual extension with concept maps in the Argument Interchange Format. In *International Workshop on Argumentation in Multi-Agent Systems* (pp. 72-89). Springer, Berlin, Heidelberg.
10. Letia, I.A. and Groza, A., 2007, May. Structured argumentation in a mediator for online dispute resolution. In *International Workshop on Declarative Agent Languages and Technologies* (pp. 193-210). Springer, Berlin, Heidelberg.
11. Letia, I.A. and Groza, A., 2007, June. Exploiting Rough Argumentation in an Online Dispute Resolution Mediator. In *International Conference on Rough Sets and Intelligent Systems Paradigms* (pp. 697-706). Springer, Berlin, Heidelberg.
12. Letia, I.A., Marginean, A. and Groza, A., 2007, May. Z-based agents for service oriented computing. In *International Workshop on Service-Oriented Computing: Agents, Semantics, and Engineering* (pp. 160-174). Springer, Berlin, Heidelberg.
13. Letia, I.A. and Groza, A., 2006, May. Agreeing on defeasible commitments. In *International Workshop on Declarative Agent Languages and Technologies* (pp. 156-173). Springer, Berlin, Heidelberg.
14. Letia, I.A. and Groza, A., 2006, June. Running contracts with defeasible commitment. In *International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems* (pp. 91-100). Springer, Berlin, Heidelberg.

Articole in reviste din fluxul științific internațional

Articole în reviste de specialitate de circulație internațională cotate ISI

1. A. Groza, P. Ozturk, R.R. Slavescu, A. Marginean. "Climate Change Opinions in Online Debate Sites", Computer Science and Information Systems, ISSN 1820-0214, Vol. 17, No. 193-116 (2020)
2. Contiu, S. and Groza, A., 2016. Improving remote sensing crop classification by argumentation-based conflict resolution in ensemble learning. Expert Systems with Applications, 64, pp.269-286.
3. Gomez, S.A., Goron, A., Groza, A. and Letia, I.A., 2016. Assuring safety in air traffic control systems with argumentation and model checking. Expert systems with applications, 44, pp.367-385.
4. Letia, I.A. and Groza, A., 2013. Compliance checking of integrated business processes. Data & Knowledge Engineering, 87, pp.1-18.
5. Letia, I.A. and Groza, A., 2009. Modelling imprecise arguments in description logic. Advances in Electrical and Computer Engineering, 9(3), pp.94-99.
6. Letia, I.A. and Groza, A., 2010. Argumentative support for structured HACCP plans. Advances in Electrical and Computer Engineering, 10(2), pp.115-120.

Articole în reviste de specialitate de circulație internațională cotate BDI

1. Georgiu, M. and Groza, A., 2011. Ontology enrichment using semantic wikis and design patterns. Studia Universitatis Babes-Bolyai, Informatica, 56(2), p.31.
2. Groza A., Letia I.A. Plausible description logic programs for stream reasoning. Future Internet. 2012 Dec;4(4):865-81 (DBLP).
3. Letia I.A., Groza A. Finding agent similarities in supply chain formation, "Advances in Electrical and Computer Engineering", Vol. 4, Nr. 1, pp. 49-56, 2004 (Scopus).

4. Groza A., Letia I.A. Agent-based Systems for Norm Compliance in Food Supply Chains, *Analele Universitatii de Vest din Timisoara, seria Matematica-Informatica*, vol 48. no. 3, 2010, pages 69-89
5. A. Groza, G. Barbur, B. Bogdan - Ontology Enrichment and Evaluation Using OntoRich, *Automation Computers Applied Mathematics*, vol. 20, no. 2, pp. 81-88, 2011

Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

Lucrari indexate ISI

1. A. Marginean, A. Groza, S. D. Nicoara, G. Muntean, R. R. Slavescu and I. A. Letia. "Towards Balancing the Complexity of Convolutional Neural Network with the Role of Optical Coherence Tomography in Retinal Conditions", In 2019 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania
2. A. Groza, L. Coroama. "A mentalist agent for guessing characters", In 2019 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania
3. Groza, A., Ozturk, P., Slavescu, R.R., Marginean, A. and Prasath, R., 2018, September. Analysing Climate Change Arguments Using Subjective Logic. In 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP) (pp. 37-44). IEEE.
4. Redeca, S. and Groza, A., 2018, September. Designing agents for the Stratego game. In 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP) (pp. 97-104). IEEE.
5. Groza, A. and Popa, O.M., 2018, June. The impact of summarisation on textual entailment-a case study on global warming arguments. In 2018 10th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) (pp. 1-6). IEEE.

6. Toniuc, D. and Groza, A., 2017, September. Climebot: An argumentative agent for climate change. In 2017 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP) (pp. 63-70). IEEE.
7. Szabo, R. and Groza, A., 2017, September. Analysing debates on climate change with textual entailment and ontologies. In 2017 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP) (pp. 39-46). IEEE.
8. Groza, A. and Nagy, M.M., 2016, September. Harmonization of conflicting medical opinions using argumentation protocols and textual entailment—a case study on Parkinson disease. In 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing (ICCP) (pp. 163-170). IEEE.
9. Groza, A. and Popa, O.M., 2016, September. Mining arguments from cancer documents using natural language processing and ontologies. In 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing (ICCP) (pp. 77-84). IEEE.
10. Cara, C., Groza, A., Zaporozjan, S. and Calmicov, I., 2016, September. Assisting drivers during overtaking using Car-2-Car communication and multi-agent systems. In 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing (ICCP) (pp. 293-299). IEEE.
11. Groza, A. and Szabo, R., 2015, November. Enacting textual entailment and ontologies for automated essay grading in chemical domain. In 2015 16th IEEE International Symposium on Computational Intelligence and Informatics (CINTI) (pp. 221-226). IEEE.
12. Groza, A. and Corde, L., 2015, September. Information retrieval in folktales using natural language processing. In 2015 IEEE International Conference on Intelligent Computer Communication and Processing (ICCP) (pp. 59-66). IEEE.
13. Groza, A. and Marc, N., 2014, September. Consistency checking of safety arguments in the goal structuring notation standard. In 2014 IEEE 10th International Conference on Intelligent Computer Communication and Processing (ICCP) (pp. 59-66). IEEE.

14. Marginean, A., Groza, A., Slavescu, R.R. and Letia, I.A., 2014, May. Romanian2SPARQL: A Grammatical Framework approach for querying Linked Data in Romanian. In 2014 International Conference on Development and Application Systems (DAS) (pp. 204-209). IEEE.
15. Varga, B., Trambitas-Miron, A.D., Roth, A., Marginean, A., Slavescu, R.R. and Groza, A., 2014, September. LELA-A natural language processing system for Romanian tourism. In 2014 Federated Conference on Computer Science and Information Systems (pp. 281-288). IEEE.
16. Groza, A., Bernadette, V. and Vacca, M., 2014, January. A learning environment for building and evaluating ontologies: Case study of 2013 Ontology Building Competition. In The International Scientific Conference eLearning and Software for Education (Vol. 4, p. 157). " Carol I" National Defence University.
17. Groza, A., Marginean, A. and Muresan, V., 2014, July. An ontology-based model for vehicular ad-hoc networks. In IEEE 18th International Conference on Intelligent Engineering Systems INES 2014 (pp. 83-88). IEEE.
18. Suciu, D. and Groza, A., 2014, September. Interleaving ontology-based reasoning and natural language processing for character identification in folktales. In 2014 IEEE 10th International Conference on Intelligent Computer Communication and Processing (ICCP) (pp. 67-74). IEEE.
19. Jimborean, I. and Groza, A., 2014, September. Ranking ontologies in the ontology building competition boc 2014. In 2014 IEEE 10th International Conference on Intelligent Computer Communication and Processing (ICCP) (pp. 75-82). IEEE.
20. Groza, A., Dragoste, I., Sincai, I., Jimborean, I. and Moraru, V., 2014, September. An Ontology Selection and Ranking System Based on the Analytic Hierarchy Process. In 2014 16th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (pp. 293-300). IEEE.
21. Groza, A., Iancu, B. and Marginean, A., 2014, June. A multi-agent approach towards cooperative overtaking in vehicular networks. In Proceedings of the 4th International Conference on Web Intelligence, Mining and Semantics (WIMS14) (p. 48). ACM.
22. Letia, I.A. and Groza, A., 2012. Description Plausible Logic Programs for Stream Reasoning. In ICAART (1) (pp. 560-566).

23. Indrie, S.M. and Groza, A., 2010, June. Enacting argumentative web in semantic wikipedia. In 9th RoEduNet IEEE International Conference (pp. 163-168). IEEE.
24. Groza, A., 2009, August. Modelling imprecise arguments in a weighted argument system. In 2009 IEEE 5th International Conference on Intelligent Computer Communication and Processing (pp. 43-46). IEEE.
25. Groza, A., 2008, August. Q-learn argumentation schemes for car sales dialogues. In 2008 4th International Conference on Intelligent Computer Communication and Processing (pp. 257-260). IEEE.
26. Letia, I.A. and Groza, A., 2007, September. Planning with argumentation schemes in online dispute resolution. In 2007 IEEE International Conference on Intelligent Computer Communication and Processing (pp. 17-24). IEEE.
27. Letia, I.A. and Groza, A., 2005, September. Automating the dispute resolution in a task dependency network. In IEEE/WIC/ACM International Conference on Intelligent Agent Technology (pp. 365-371). IEEE.

Lucrari indexate BDI

1. Groza, Adrian. "Detecting fake news for the new coronavirus by reasoning on the Covid-19 ontology." arXiv preprint arXiv:2004.12330 (2020) (DBLP)
2. Groza, A. "Data structuring for the ontological modelling of wind energy systems." MDIS, Sibiu, Romania, arXiv preprint arXiv:1510.03179 (2015) (DBLP).
3. Letia I.A., Groza A. Description Plausible Logic Programs for Stream Reasoning. InICAART (1) 2012 (pp. 560-566) (DBLP).
4. Visinari G, Groza A. Building an E-contract management system using Google Docs. In2011 IEEE 12th International Symposium on Computational Intelligence and Informatics (CINTI) 2011 Nov 21 (pp. 225-230). IEEE (IEEEXplore).
5. Letia I.A., Groza A, Balaj R. Argumentative agents for justifying decisions in audit. In2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing 2011 Aug 25 (pp. 71-78). IEEE (IEEEXplore).

6. Varga B, Groza A. Integrating dbpedia and sentiwordnet for a tourism recommender system. In 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing 2011 Aug 25 (pp. 133-136). IEEE (IEEEXplore).
7. Barbur G, Blaga B, Groza A. OntoRich-A support tool for semi-automatic ontology enrichment and evaluation. In 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing 2011 Aug 25 (pp. 129-132). IEEE (IEEEXplore).
8. Groza A, Man C. Towards automatic norm compliance in construction domain. In 2011 IEEE 9th International Symposium on Applied Machine Intelligence and Informatics (SAMII) 2011 Jan 27 (pp. 83-87). IEEE (IEEEXplore).
9. Letia I.A., Groza A. Developing hazard ontology for supporting haccp systems in food supply chains. In IEEE 8th International Symposium on Intelligent Systems and Informatics 2010 Sep 10 (pp. 57-62). IEEE (IEEEXplore).
10. Indrie S, Groza A. Towards social argumentative machines. In Proceedings of the 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing 2010 Aug 26 (pp. 99-102). IEEE (IEEEXplore).
11. Lipan F, Groza A. Mining traffic patterns from public transportation GPS data. In Proceedings of the 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing 2010 Aug 26 (pp. 123-126). IEEE (IEEEXplore).
12. Letia I.A., Groza A. Argumentative support for structured HACCP plans. *Advances in Electrical and Computer Engineering*. 2010 May 31;10(2):115-20 (IEEEXplore).
13. Groza A, Balaj R. Using Semantic Wikis for Structured Argument in Medical Domain. SWLS, Berlin, Germany, arXiv preprint arXiv:1012.1654. 2010 Dec 8 (DBLP).
14. Groza, A. Groza, A. Designing Electronic Markets for Defeasible-based Contractual Agents. arXiv preprint arXiv:1304.5545, 2008, (DBLP).
15. Letia I.A., Groza A. Defeasible Commitments for Contract Representation, 2nd International Conference on Intelligent Computer Communication and Processing (ICCP06), Cluj-Napoca, Romania, September 2006 (IEEEXplore).

16. Letia I.A., Groza A. Exceptions in Contract in Defeasible Logic, DAS06, Suceava, Romania, May 2006 (IEEEExplore).
17. Letia I.A., Groza A. Using agent similarities in business rules for the supply chain, "Intelligent Engineering Systems", pp. 68-72, Cluj-Napoca, 2004 (IEEEExplore).