

## Matemātikas un informātikas institūts

2016

### Publikācijas, kas ir publicētas anonīmi recenzētos un starptautiski pieejamās datubāzēs iekļautos zinātniskajos izdevumos (SCOPUS vai Web of Science)

1. **K. Podnieks.** *Locally Constrained Ontologies.* Baltic Journal of Modern Computing, Vol. 4 (2016), N 4, pp. 694–720 (Web of Science).
2. **S. Kozlovics.** *A Model-Driven Approach to Web Applications.* Databases and Information Systems IX. Selected Papers from the Twelfth International Baltic Conference, DB&IS 2016. Frontiers in Artificial Intelligence and Applications, vol. 291, IOS Press, pp. 73-86, 2016. (Web of Science)
3. **S. Kozlovics.** *Models and Model Transformations Within Web Applications.* Proceedings of the 12th International Baltic Conference, DB&IS 2016, Riga, Latvia, July 4-6, 2016. Communications in Computer and Information Science, vol. 615, Springer International Publishing, 2016, pp. 53-67. (SCOPUS, Web of Science)
4. **J.Viksna, D.Gilbert.** *Gene duplication models and reconstruction of gene regulatory network evolution from network structure.* Baltic Journal of Modern Computing, vol. 4:5, 2016, pp.876-895. (Web of Science)
5. **K. Čerāns, G. Būmans.** *Database to Ontology Mapping Patterns in RDB2OWL Lite.* Proceedings of Baltic DB&IS 2016, Springer CCIS Series 615, pp. 35-49 (SCOPUS, Web of Science)
6. **R. Liepins, U. Bojars, N. Gruzitis, K. Cerans, E. Celms.** *Towards Self-explanatory Ontology Visualizations with Contextual Verbalizations.* Proceedings of Baltic DB&IS 2016, Springer CCIS Series 615, pp. 3-17 (SCOPUS, Web of Science)
7. **U. Bojārs, R. Liepins, N. Gruzitis, K. Cerans, E. Celms.** *Extending OWL Ontology Visualizations with Interactive Contextual Verbalization.* Proceedings of the Second International Workshop on Visualization and Interaction for Ontologies and Linked Data (VOILA '16), Kobe, Japan. CEUR Workshop Proceedings, vol. 1704, CEUR-WS.org, 2016, pp.5-16. (SCOPUS).
8. **J. Ovčiņņikova, K. Čerāns.** *Advanced UML Style Visualization of OWL Ontologies.* Proceedings of the Second International Workshop on Visualization and Interaction for Ontologies and Linked Data (VOILA '16), Kobe, Japan. CEUR Workshop Proceedings, vol. 1704, CEUR-WS.org, 2016, pp.136-142. (SCOPUS).
9. **K. Čerāns, J. Ovčiņņikova.** *ViziQuer: Notation and Tool for Data Analysis SPARQL Queries.* Proceedings of the Second International Workshop on Visualization and Interaction for Ontologies and Linked Data (VOILA '16),

Kobe, Japan. CEUR Workshop Proceedings, vol. 1704, CEUR-WS.org, 2016, pp.151-159. (SCOPUS).

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12. **J. Barzdins, M. Grasmanis, E. Rencis, A. Sostaks, J. Barzdins.** *Ad-hoc Querying of Semistar Data Ontologies Using Controlled Natural Language.* Frontiers in Artificial Intelligence and Applications, Vol. 291 (DOI: 10.3233/978-1-61499-714-6-3), Databases and Information Systems IX, IOS Press, pp. 3-16, 2016 (Web of Science).
13. **J. Barzdins, M. Grasmanis, E. Rencis, A. Sostaks, A. Steinsbekk.** *Towards a more effective hospital: helping health professionals to learn from their own practice by developing an easy to use clinical processes querying language.* International Conference on Health and Social Care Information Systems and Technologies, Procedia Computer Science Journal, Vol. 100 (DOI: 10.1016/j.procs.2016.09.188), pp. 498-506, 2016. (SCOPUS)
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15. **A. Kalnins, J. Barzdins.** *Metamodel Specialization for DSL Tool Building.* Databases and Information Systems, DB&IS 2016 Proceedings, CCIS v. 615, Springer, pages 68-82, 2016 (SCOPUS, Web of Science)
16. **R. Opmanis, P. Ķikusts, M. Opmanis.** *Visualization of Large-Scale Application Testing Results.* Baltic Journal of Modern Computing, Vol. 4 (2016), No. 1, pp. 34–50 (Web of Science)
17. **E. Kalinichenko, M. Opmanis.** *Collecting, Processing and Maintaining IOI Statistics.* OLYMPIADS IN INFORMATICS, ISSN 1822-7732, 2016, Vol. 10, pp. 161 – 176, DOI: 10.15388/ioi.2016.10 (SCOPUS)
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  23. **A. Znotins**. *Word embeddings for Latvian natural language processing tools*. Human Language Technologies -- The Baltic Perspective, IOS Press, volume 289, 2016. (SCOPUS, Web of Science)
  24. **I. Auzina, K. Levane-Petrova, G. Rabante-Busa, R. Dargis**, and A. Fabregas. *Designing an annotated longitudinal Latvian children's speech corpus*. Human Language Technologies -- The Baltic Perspective, IOS Press, volume 289, 2016. (SCOPUS, Web of Science)
  25. **I. Skadina**. *Multi-word expressions in English-Latvian SMT: Problems and solutions*. Human Language Technologies -- The Baltic Perspective, IOS Press, volume 289, 2016. (SCOPUS, Web of Science)
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  27. **L. Pretkalnina, L. Rituma, and B. Saulite**. *Universal Dependency treebank for Latvian: A pilot*. Human Language Technologies -- The Baltic Perspective, IOS Press, volume 289, 2016. (SCOPUS, Web of Science)
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33. M. Pinnis, A. Salimbajevs, and **I. Auzina.** *Designing a speech corpus for the development and evaluation of dictation systems in Latvian*. Proceedings of the 10th International Conference on Language Resources and Evaluation (LREC), 2016.  
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35. H. Safwat, **N. Gruzitis,** B. Davis, and R. Enache. *Extracting semantic knowledge from unstructured text using embedded controlled language*. Proceedings of the 10th IEEE International Conference on Semantic Computing (ICSC), 2016. (SCOPUS, Web of Science)
36. **Inguna Skadiņa.** 2016. *Multi-word Expressions in English-Latvian Machine Translation*. Baltic Journal of Modern Computing, Vol. 4, 811-825. (SCOPUS, Web of Science)
37. **Solvita Zariņa.** *Case Studies of Digital and Media Art 56°56'51"N 24°6'23"E*. Proceedings of the 20th International Conference Information Visualisation, pp. 294–299, IEEE 2016, DOI: 10.1109/IV.2016.44 (SCOPUS, Web of Science)
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39. **Jānis Cīrulis.** *The diamond partial order for strong Rickart rings*. Linear Multilinear Algebra, Vol. 65, pp. 192–203, Published online: 02 May 2016, DOI: <http://dx.doi.org/10.1080/03081087.2016.1179250> (SCOPUS, Web of Science)  
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