

Publications Dr N.R.T.P. van Beest

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Journals

1. Van Beest, N.R.T.P., Groefsema, H., García-Bañuelos, L., Aiello, M.: Variability in business processes: automatically obtaining a generic specification. *Information Systems* **80** (2019) 36–55.
2. Ghanbari Ghoshchi, N., Van Beest, N.R.T.P., Governatori, G., Olivieri, F., Sattar, A.: Synthesis of compliant business processes. *IEEE Transactions on Services Computing* (2018).
3. García-Bañuelos, L., Van Beest, N.R.T.P., Dumas, M., La Rosa, M., Mertens, W.: Complete and interpretable conformance checking of business processes. *IEEE Transactions on Software Engineering* (2017).
4. Groefsema, H., Van Beest, N.R.T.P., Aiello, M.: A formal model for compliance verification of service compositions. at *IEEE Transactions on Services Computing* (2016).
5. Van Beest, N.R.T.P., Kaldeli, E., Bulanov, P., Wortmann, J.C., Lazovik, A.: Automated runtime repair of business processes. *Information Systems* **39** (2014) 45–79.
6. Mărușter, L., Van Beest, N.R.T.P.: Redesigning business processes: a methodology based on simulation and process mining techniques. *Knowledge and Information Systems* **21**(3) (2009) 267–297.

Conferences

7. Olivieri, F., G.G.C.M., Van Beest, N.R.T.P., Colombo Tossatto, S.: Resource-driven substructural defeasible logic. In: *International Conference on Principles and Practice of Multi-Agent Systems (PRIMA 2018)*, Springer International Publishing (2018).
8. Klinkmüller, C., Van Beest, N.R.T.P., Weber, I.: Towards reliable predictive process monitoring. In: *CAiSE 2018, Lecture Notes in Business Information Processing*, Springer International Publishing (2018).

9. Olivieri, F., Governatori, G., Van Beest, N.R.T.P., Ghanbari Ghooshchi, N.: Declarative approaches for compliance by design. In: *Lecture Notes in Business Information Processing 234*, Springer International Publishing (2018).
10. Armas Cervantes, A., van Beest, N.R.T.P., La Rosa, M., Dumas, M., García-Bañuelos, L.: Interactive and incremental business process model repair. In: *International Conference on Cooperative Information Systems*, Springer (2017) 53–74.
11. Ghanbari Ghooshchi, N., Van Beest, N.R.T.P., Governatori, G., Olivieri, F., Sattar, A.: Visualisation of compliant declarative business processes. In: *Enterprise Distributed Object Computing Conference (EDOC), 2017 IEEE 21st International*, IEEE (2017) 89–94.
12. Van Beest, N.R.T.P., Dumas, M., García-Bañuelos, L., La Rosa, M.: Log delta analysis: Interpretable differencing of business process event logs. In: *Proc. of BPM 2015*, Springer (2015) 386–405.
13. Groefsema, H., Van Beest, N.R.T.P.: Design-time compliance of service compositions in dynamic service environments. In: *Service-Oriented Computing and Applications (SOCA), 2015 IEEE 8th International Conference on*, IEEE (2015) 108–115.
14. D’Souza, A., Van Beest, N.R.T.P., Huitema, G.B., Wortmann, J.C., Velthuisen, H. In: *A Review and Evaluation of Business Model Ontologies: A Viability Perspective*. Springer International Publishing (2015) 453–471.
15. Van Beest, N.R.T.P., Russell, N., Ter Hofstede, A., Lazovik, A.: Achieving intention-centric bpm through automated planning. In: *International Conference on Service-Oriented Computing and Applications*. (2014).
16. D’Souza, A., Van Beest, N.R.T.P., Huitema, G.B., Wortmann, J.C., Velthuisen, H.: An assessment framework for business model ontologies to ensure the viability of business models. In: *Proceedings of the 16th International Conference on Enterprise Information Systems (ICEIS)*. (2014) 226–235.
17. Van Wijk, Y., Van Beest, N.R.T.P., De Bakker, K.F.C., Wortmann, J.C.: Assurance in collaborative ict-enabled service chains. In: *Proceedings of the 16th International Conference on Enterprise Information Systems (ICEIS)*. (2014) 368–375.
18. Van Beest, N.R.T.P., Bucur, D.: Continuous correctness of business processes against process interference. In: *Service-Oriented Computing and Applications (SOCA), 2013 IEEE 6th International Conference on*, IEEE (2013) 110–117.
19. Van Beest, N.R.T.P., Bulanov, P., Wortmann, J.C., Lazovik, A.: Resolving business process interference via dynamic reconfiguration. In: *International Conference on Service-Oriented Computing*. Volume 6470/2010., Springer (2010) 47–60.

20. Van Beest, N.R.T.P., Szirbik, N.B., Wortmann, J.C.: Assessing the interference in concurrent business processes. In: Proceedings of the 12th International Conference on Enterprise Information Systems. Volume 3. (2010) 261–270.
21. Van Beest, N.R.T.P., Szirbik, N.B., Wortmann, J.C.: A vision for agile model-driven enterprise information systems. In: Proceedings of the 11th International Conference on Enterprise Information Systems. (2009) 188–193.
22. Van Beest, N.R.T.P., Maruster, L.: A process mining approach to redesign business processes - a case study in gas industry. In: Symbolic and Numeric Algorithms for Scientific Computing, 2007. SYNASC. International Symposium on, IEEE (2007) 541–548.
23. Meijler, T.D., Kruithof, G., Van Beest, N.R.T.P.: Top down versus bottom up in service-oriented integration: an mda-based solution for minimizing technology coupling. In: International Conference on Service-Oriented Computing, Springer (2006) 484–489.

Workshops

24. Van Beest, N.R.T.P., Weber, I.: Behavioral classification of business process executions at runtime. In: BPM Workshops: International Workshop on Runtime Analysis of Process-Aware Information Systems (PRAISE), Springer (2016).
25. García-Bañuelos, L., Van Beest, N.R.T.P., Dumas, M., La Rosa, M.: Business process conformance checking based on event structures. In: Proc. of NWPT'2015, Reykjavik University (2015) 3 pages.
26. Van Beest, N.R.T.P., Kaldeli, E., Bulanov, P., Wortmann, J., Lazovik, A.: Automatic detection of business process interference. In: International Workshop on Knowledge-intensive Business Processes. (2012).

Demos

27. Groefsema, H., Van Beest, N.R.T.P., Armas-Cervantes, A.: Automated compliance verification of business processes in apromore. In: Proc. of BPM Demos 2017, CEUR. Volume 1920., Springer (2017).
28. Armas-Cervantes, A., Van Beest, N.R.T.P., La Rosa, M., Dumas, M., Raboczi, S.: Incremental and interactive business process model repair in apromore. In: Proc. of BPM Demos 2017, CEUR. Volume 1920., Springer (2017).

29. Armas-Cervantes, A., Van Beest, N.R.T.P., Dumas, M., García-Bañuelos, L., La Rosa, M.: Behavior-based process comparison in apomore. In: Proc. of BPM Demos 2016, CEUR. Volume 1789., Springer (2016).

Books

30. Van Beest, N.R.T.P.: Process interference: automated identification and repair. PhD thesis, University of Groningen (2013).

Invited talks

31. García-Bañuelos, L., Van Beest, N.R.T.P., Dumas, M., La Rosa, M., Mertens, W.: Complete and interpretable conformance checking of business processes. In: European Software Engineering Conference. (2017).