

## DAFTAR PUSTAKA

- Abrahão, S., Insfran, E., González-Ladrón-de-Guevara, F., Fernández-Diego, M., Cano-Genoves, C., & Pereira de Oliveira, R. (2019). Assessing the effectiveness of goal-oriented modeling languages: A family of experiments. *Information and Software Technology*, 116(August). <https://doi.org/10.1016/j.infsof.2019.08.003>
- Accounting Tools. (2021). *The formula for calculating efficiency*. <https://www.accountingtools.com/articles/what-is-the-formula-for-calculating-efficiency.html>
- Aguilar, J. A., Tripp, C., Zaldívar, A., García, O. V., & Zurita, C. E. (2016). Evaluating a Requirements Change Request in a Goal-oriented Requirements Engineering Model. *IEEE Latin America Transactions*, 14(5), 2411–2417. <https://doi.org/10.1109/TLA.2016.7530439>
- Alatawi, E., Mendoza, A., & Miller, T. (2018). Psychologically-Driven Requirements Engineering: A Case Study in Depression Care. *Proceedings - 25th Australasian Software Engineering Conference, ASWEC 2018*, 41–50. <https://doi.org/10.1109/ASWEC.2018.00014>
- Aldagdoog, M., Kother, S., & Alzaghair, S. (2019). Sentiment analysis to monitor student feedback in their native language. *ICIC Express Letters*, 13(10), 899–906. <https://doi.org/10.24507/icicel.13.10.899>
- Alhajhassan, S., Odeh, M., & Green, S. (2016). Aligning systems of systems engineering with goal-oriented approaches using the i\* framework. *ISSE 2016 - 2016 International Symposium on Systems Engineering - Proceedings Papers*, 1–7. <https://doi.org/10.1109/SysEng.2016.7753125>
- Alhajhassan, S., Odeh, M., Green, S., & Mansour, A. (2019). Goal-Oriented Strategic Modelling for Cancer Care in Systems of Systems Context Using the i\* Framework. *Proceedings - 2018 1st International Conference on Cancer Care Informatics, CCI 2018*, 100–109. <https://doi.org/10.1109/CANCERCARE.2018.8618202>
- Alkaf, H., Hassine, J., Binalialhag, T., & Amyot, D. (2019). An automated change impact analysis approach for User Requirements Notation models. *Journal of Systems and Software*, 157, 1–28. <https://doi.org/10.1016/j.jss.2019.110397>
- Alwidian, S., & Amyot, D. (2019a). Inferring metamodel relaxations based on structural patterns to support model families. *Proceedings - 2019 ACM/IEEE 22nd International Conference on Model Driven Engineering Languages and Systems Companion, MODELS-C 2019, September*, 294–303. <https://doi.org/10.1109/MODELS-C.2019.00046>
- Alwidian, S., & Amyot, D. (2019b). Union Models: Support for Efficient Reasoning About Model Families Over Space and Time. In *System Analysis and Modeling*

*Languages, Methods, and Tools for Industry 4.0* (pp. 200–218).

- Amyot, D., Anda, A. A., Baslyman, M., Lessard, L., & Bruel, J. M. (2016). Towards Improved Requirements Engineering with SysML and the User Requirements Notation. *Proceedings - 2016 IEEE 24th International Requirements Engineering Conference, RE 2016*, 329–334. <https://doi.org/10.1109/RE.2016.58>
- Anda, A. A. (2018). Modeling adaptive socio-cyber-physical systems with goals and SysML. *Proceedings - 2018 IEEE 26th International Requirements Engineering Conference, RE 2018*, 442–447. <https://doi.org/10.1109/RE.2018.00059>
- Anda, A. A., & Amyot, D. (2019). Arithmetic semantics of feature and goal models for adaptive cyber-physical systems. *Proceedings of the IEEE International Conference on Requirements Engineering*, 245–256. <https://doi.org/10.1109/RE.2019.00034>
- Andylibrian. (2016). *Sastrawi*.
- Arias, M., Buccella, A., & Cechich, A. (2018). A Framework for Managing Requirements of Software Product Lines. *Electronic Notes in Theoretical Computer Science*, 339, 5–20. <https://doi.org/10.1016/j.entcs.2018.06.002>
- Asadi, M., Gröner, G., Mohabbati, B., & Gašević, D. (2016). Goal-oriented modeling and verification of feature-oriented product lines. *Software and Systems Modeling*, 15(1), 257–279. <https://doi.org/10.1007/s10270-014-0402-8>
- Ayala, I., Amor, M., Horcas, J. M., & Fuentes, L. (2019). A goal-driven software product line approach for evolving multi-agent systems in the Internet of Things. *Knowledge-Based Systems*, 184, 1–18. <https://doi.org/10.1016/j.knosys.2019.104883>
- Aysolmaz, B., Leopold, H., Reijers, H. A., & Demirörs, O. (2018). A semi-automated approach for generating natural language requirements documents based on business process models. *Information and Software Technology*, 93, 14–29. <https://doi.org/10.1016/j.infsof.2017.08.009>
- Aziz, B. (2016). Modelling Fine-Grained Access Control Policies in Grids. *Journal of Grid Computing*, 14(3), 477–493. <https://doi.org/10.1007/s10723-015-9351-x>
- Bakar, N. H., Kasirun, Z. M., Salleh, N., & Jalab, H. A. (2016). Extracting features from online software reviews to aid requirements reuse. *Applied Soft Computing Journal*, 49, 1297–1315. <https://doi.org/10.1016/j.asoc.2016.07.048>
- Bargui, F., Ben-abdallah, H., & Feki, J. (2016). A natural language-based approach for a semi-automatic data mart design and ETL generation. *Journal of Decision Systems*, 25(4), 1–36. <https://doi.org/10.1080/12460125.2016.1158066>
- Bole, D., Smid Hribar, M., & Pipan, P. (2017). Participatory research in community development: A case study of creating cultural tourism products. *Acta Universitatis Carolinae, Geographica*, 52(2), 164–175.

<https://doi.org/10.14712/23361980.2017.13>

- Brezovan, M., Stanescu, L., & Ganea, E. (2016). Expressing GModS models into object-oriented models using the event-B language. *Informatica (Slovenia)*, 40, 29–42.
- Busari, S. A., & Letier, E. (2017). RADAR: A Lightweight Tool for Requirements and Architecture Decision Analysis. *Proceedings - 2017 IEEE/ACM 39th International Conference on Software Engineering, ICSE 2017*, 552–562. <https://doi.org/10.1109/ICSE.2017.57>
- Cahyanto, R., Chrismanto, A. R., & Sebastian, D. (2020). Pengelompokan Komentar Dataset Sentipol dengan Modified K-Means Clustering. *Jurnal Teknik Informatika Dan Sistem Informasi*, 6(3), 531–540. <https://doi.org/10.28932/jutisi.v6i3.3006>
- Cahyono, S. C. (2019). Comparison of document similarity measurements in scientific writing using Jaro-Winkler Distance method and Paragraph Vector method. *IOP Conference Series: Materials Science and Engineering*, 662(5), 1–9. <https://doi.org/10.1088/1757-899X/662/5/052016>
- Cailliau, A., & Van Lamsweerde, A. (2017). Runtime Monitoring and Resolution of Probabilistic Obstacles to System Goals. *Proceedings - 2017 IEEE/ACM 12th International Symposium on Software Engineering for Adaptive and Self-Managing Systems, SEAMS 2017*, 1–11. <https://doi.org/10.1109/SEAMS.2017.5>
- Casagrande, E., Arnautovic, E., Woon, W. L., Zeineldin, H. H., & Davor, S. (2017). Semiautomatic System Domain Data Analysis : A Smart Grid Feasibility Case Study. *IEEE Transcation on Systems, Man, and Cybernatics : Systems*, 47(12), 3117–3127. <https://doi.org/10.1109/TSMC.2016.2562501>
- Chatzikonstantinou, G., & Kontogiannis, K. (2016). Run-time requirements verification for reconfigurable systems. *Information and Software Technology*, 75, 105–121. <https://doi.org/10.1016/j.infsof.2016.04.005>
- Cohen, W. W., Ravikumar, P., & Fienberg, S. E. (2003). A Comparison of String Metrics for Matching Names and Records. In *American Association for Artificial Intelligence*.
- Dabrowski, J. (2017). Towards an Adaptive Framework for Goal-Oriented Strategic Decision-Making. *Proceedings - 2017 IEEE 25th International Requirements Engineering Conference, RE 2017*, 538–543. <https://doi.org/10.1109/RE.2017.53>
- Degiovanni, R., Castro, P., Arroyo, M., Ruiz, M., Aguirre, N., & Frias, M. (2018). Goal-conflict likelihood assessment based on model counting. *2018 IEEE/ACM 40th International Conference on Software Engineering (ICSE)*, 1125–1135. <https://doi.org/10.1145/3180155.3180261>
- Degiovanni, R., Ricci, N., Alrajeh, D., Castro, P., & Aguirre, N. (2016). Goal-conflict detection based on temporal satisfiability checking. *2016 31st IEEE/ACM*

- International Conference on Automated Software Engineering (ASE)*, 507–518. <https://doi.org/10.1145/2970276.2970349>
- Degiovanni, R., Ricci, N., Alrajehy, D., Castro, P., & Aguirre, N. (2016). Goal-conflict detection based on temporal satisfiability checking. *ASE 2016 - Proceedings of the 31st IEEE/ACM International Conference on Automated Software Engineering*, 507–518. <https://doi.org/10.1145/2970276.2970349>
- DeVries, B., & Cheng, B. H. C. (2019). Goal-Based Modeling and Analysis of Non-Functional Requirements. *Proceedings - 2019 ACM/IEEE 22nd International Conference on Model Driven Engineering Languages and Systems, MODELS 2019*, 261–271. <https://doi.org/10.1109/MODELS.2019.00010>
- Diamantini, C., Freddi, A., Longhi, S., Potena, D., & Storti, E. (2016). A goal-oriented , ontology-based methodology to support the design of AAL environments. *Expert Systems With Applications*, 64, 117–131. <https://doi.org/10.1016/j.eswa.2016.07.032>
- Fahmideh, M., & Beydoun, G. (2019). Big data analytics architecture design—An application in manufacturing systems. *Computers and Industrial Engineering*, 128(August 2018), 948–963. <https://doi.org/10.1016/j.cie.2018.08.004>
- Feo-arenis, S., Westphal, B., Dietsch, D., Muniz, M., Andisha, S., & Podelski, A. (2016). Ready for testing : ensuring conformance to industrial standards through formal verification. *Formal Aspects of Computing*, 28, 499–527. <https://doi.org/10.1007/s00165-016-0365-3>
- Fujikura, T., & Kurachi, R. (2019). A Test Scenario Generation Method for High Requirement Coverage by using KAOS Method. *Proceedings - Companion of the 19th IEEE International Conference on Software Quality, Reliability and Security, QRS-C 2019*, 2, 542–543. <https://doi.org/10.1109/QRS-C.2019.00115>
- Gali, N., Marinescu-Istodor, R., & Fränti, P. (2016). Similarity measures for title matching. *Proceedings - International Conference on Pattern Recognition*, 0, 1548–1553. <https://doi.org/10.1109/ICPR.2016.7899857>
- Gea, J. M. C. De, Nicolás, J., Fernández-alemán, J. L., & Ambrosio, T. (2017). Automated support for reuse-based requirements engineering in global software engineering. *Software: Evolution and Process*, 29(8 e1873), 1–16. <https://doi.org/10.1002/smr.1873>
- Gharib, M., & Giorgini, P. (2018). Information quality requirements engineering with STS-IQ. *Information and Software Technology*. <https://doi.org/10.1016/j.infsof.2018.11.002>
- Gharib, M., & Giorgini, P. (2019). Information quality requirements engineering with STS-IQ. *Information and Software Technology*, 107(October 2018), 83–100. <https://doi.org/10.1016/j.infsof.2018.11.002>
- Ghasemi, M., & Amyot, D. (2019). Data preprocessing for goal-oriented process discovery. *Proceedings - 2019 IEEE 27th International Requirements Engineering Conference Workshops, REW 2019*, 200–206.

<https://doi.org/10.1109/REW.2019.00041>

- Giorgini, P., Eds, B. W., Conference, I., & Hutchison, D. (2019). Advanced Information Systems Engineering. *31st International Conference, CAiSE 2019 Rome, 932*. <https://doi.org/10.1007/3-540-59498-1>
- Gomaa, W. H., & Fahmy, A. A. (2013). A Survey of Text Similarity Approaches. *International Journal of Computer Applications*, 68(13), 13–18. <https://doi.org/10.5120/11638-7118>
- Gonçalves, E., Araujo, J., & Castro, J. (2020). PRISE: A process to support iStar extensions. *Journal of Systems and Software*, 168, 1–33. <https://doi.org/10.1016/j.jss.2020.110649>
- Grubb, A. M. (2018). Reflection on evolutionary decision making with goal modeling via empirical studies. *Proceedings - 2018 IEEE 26th International Requirements Engineering Conference, RE 2018*, 376–381. <https://doi.org/10.1109/RE.2018.00-22>
- Grubb, A. M., & Chechik, M. (2017). Modeling and Reasoning with Changing Intentions: An Experiment. *Proceedings - 2017 IEEE 25th International Requirements Engineering Conference, RE 2017*, 164–173. <https://doi.org/10.1109/RE.2017.19>
- Guimaraes, F. P., Rodriques, G. N., Ali, R., & Batista, D. M. (2017). Planning runtime software adaptation through pragmatic goal model. *Data & Knowledge Engineering*, 109, 25–40. <https://doi.org/10.1016/j.datak.2017.03.003>
- Gunes, T., & Aydemir, F. B. (2020). Automated Goal Model Extraction from User Stories Using NLP. *2020 IEEE 28th International Requirements Engineering Conference (RE) Automated*, 382–387. <https://doi.org/10.1109/re48521.2020.00052>
- Guo, J., Gibiec, M., & Cleland-Huang, J. (2017). Tackling the term-mismatch problem in automated trace retrieval. *Empirical Software Engineering*, 22(3), 1103–1142. <https://doi.org/10.1007/s10664-016-9479-8>
- Hassine, J., & Alshayeb, M. (2019). Measuring goal-oriented requirements language actor stability. *E-Informatica Software Engineering Journal*, 13(1), 203–226. <https://doi.org/10.5277/e-Inf190106>
- Horita, H., Hirayama, H., Hayase, T., Tahara, Y., & Ohsuga, A. (2019). A Method for Goal Model Repair Based on Process Mining. *Proceedings - 20th IEEE/ACIS International Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing, SNPD 2019*, 121–126. <https://doi.org/10.1109/SNPD.2019.8935771>
- Horkoff, J., Maiden, N. A., & Asboth, D. (2019). Creative goal modeling for innovative requirements. *Information and Software Technology*, 106, 85–100. <https://doi.org/10.1016/j.infsof.2018.09.005>
- Horkoff, Jennifer, & Yu, E. (2016). Interactive goal model analysis for early requirements engineering. *Requirements Engineering*, 21, 29–61.



<https://doi.org/10.1007/s00766-014-0209-8>

- Hu, B. C., & Grubb, A. M. (2019). Support for user generated evolutions of goal models. *Proceedings - 2019 IEEE/ACM 11th International Workshop on Modelling in Software Engineering, MiSE 2019*, 1–7. <https://doi.org/10.1109/MiSE.2019.00008>
- Jaro, M. A. (1989). Advances in record-linkage methodology as applied to matching the 1985 census of Tampa, Florida. *Journal of the American Statistical Association*, 84(406), 414–420. <https://doi.org/10.1080/01621459.1989.10478785>
- Kaiya, H. (2016). Modelling Goal Dependencies and Domain Model Together. *Procedia Computer Science*, 96, 791–800. <https://doi.org/10.1016/j.procs.2016.08.242>
- Kaiya, H., & Haga, K. (2017). A CASE tool for Goal Dependency Model with Attributes based on An Existing UML Editor. *Procedia Computer Science*, 112, 1196–1205. <https://doi.org/10.1016/j.procs.2017.08.033>
- Kalloniatis, C. (2017). Incorporating privacy in the design of cloud-based systems : a conceptual meta-model. *Information & Computer Security*, 25 No.5, 614–633. <https://doi.org/10.1108/ICS-06-2016-0044>
- Khan, F. Q., Musa, S., Tsaramirsis, G., & Khan, S. (2018). A Novel Requirements Analysis Approach in SPL based on Collateral , KAOS and Feature Model. *International Journal of Engineering & Technology*, 7(4.29), 104–108.
- Kim, H. S., & Lee, S. W. (2018). Dependability-enhanced unified modeling and simulation methodology for Critical Infrastructures. *Information and Software Technology*, 102(June), 175–192. <https://doi.org/10.1016/j.infsof.2018.06.002>
- Ko, D., Kim, S., & Park, S. (2018). Automatic recommendation to omitted steps in use case specification. *Requirements Engineering*, 1–28. <https://doi.org/10.1007/s00766-018-0288-z>
- Koubarakis, M., Borgida, A., Constantopoulos, P., Doerr, M., Jarke, M., Jeusfeld, M. A., Mylopoulos, J., & Plexousakis, D. (2020). A retrospective on Telos as a metamodeling language for requirements engineering. *Requirements Engineering*. <https://doi.org/10.1007/s00766-020-00329-x>
- Lavalle, A., Maté, A., Trujillo, J., & Rizzi, S. (2019). Visualization requirements for business intelligence analytics: A goal-based, iterative framework. *Proceedings of the IEEE International Conference on Requirements Engineering*, 109–119. <https://doi.org/10.1109/RE.2019.00022>
- Ledecz, A., Nordstrom, G., Karsai, G., Volgyesi, P., & Maroti, M. (2001). On metamodel composition. *IEEE Conference on Control Applications*, February, 756–760. <https://doi.org/10.1109/cca.2001.973959>
- Lee, H. C., Kim, M. J., Shehab, M., & Lee, S. W. (2018). Trust-Aware Goal Modeling from Use Case for Cooperative Self-Adaptive Systems. *Proceedings - 2018 IEEE International Conference on Systems, Man, and Cybernetics, SMC*

- 2018, 4405–4410. <https://doi.org/10.1109/SMC.2018.00744>
- Li, C., Huang, L., Ge, J., Luo, B., & Ng, V. (2018a). Automatically classifying user requests in crowdsourcing requirements engineering. *The Journal of Systems & Software*, 138, 108–123. <https://doi.org/10.1016/j.jss.2017.12.028>
- Li, C., Huang, L., Ge, J., Luo, B., & Ng, V. (2018b). *The Journal of Systems and Software Automatically classifying user requests in crowdsourcing requirements engineering*. 138, 108–123. <https://doi.org/10.1016/j.jss.2017.12.028>
- Li, T., Horkoff, J., & Mylopoulos, J. (2018). Holistic security requirements analysis for socio-technical systems. *Software and Systems Modeling*, 17, 1253–1285. <https://doi.org/10.1007/s10270-016-0560-y>
- Liaskos, S., Dundjerovic, T., & Alothman, N. (2017). Beyond Boxes and Lines: Creating and Empirically Evaluating Alternative Visualizations for Requirements Conceptual Models. *International Symposium on Empirical Software Engineering and Measurement*, 476–477. <https://doi.org/10.1109/ESEM.2017.66>
- Liaskos, S., Ronse, A., & Zhian, M. (2017). Assessing the Intuitiveness of Qualitative Contribution Relationships in Goal Models: An Exploratory Experiment. *International Symposium on Empirical Software Engineering and Measurement*, 466–471. <https://doi.org/10.1109/ESEM.2017.69>
- López, L., Franch, X., & Marco, J. (2019). Specialization in the iStar2.0 Language. *IEEE Access*, 7, 146005–146023. <https://doi.org/10.1109/ACCESS.2019.2940094>
- Luthra, S., Aprajita, A., & Mussbacher, G. (2018). Visualizing Evolving Requirements Models with TimedURN. *2018 IEEE/ACM 10th International Workshop on Modelling in Software Engineering (MiSE)*, 1–8.
- Maalej, W., Kurtanovic, Z., Nabil, H., & Stanik, C. (2016). On the automatic classification of app reviews. *Requirements Engineering*, 21, 311–331. <https://doi.org/10.1007/s00766-016-0251-9>
- Mahunnah, M., Taveter, K., & Matulevicius, R. (2018). An Empirical Evaluation of the Requirements Engineering Tool for Socio-Technical Systems. *Proceedings - 2018 7th Workshop on Empirical Requirements Engineering, EmpiRE 2018*, 8–15. <https://doi.org/10.1109/EmpiRE.2018.00012>
- Mai, P. X., Goknil, A., Shar, L. K., Pastore, F., Briand, L. C., & Shaame, S. (2018). Modeling Security and Privacy Requirements : a Use Case-Driven Approach. *Information and Software Technology*, 100, 165–182. <https://doi.org/10.1016/j.infsof.2018.04.007>
- Mann, P. S. (2012). Introductory Statistics, 8th Ed. *John Wiley and Sons, Incorporated*, 8(11), 736.
- Manning, C. D., Raghavan, P., & Schütze, H. (2009). Introduction to Modern Information Retrieval (2nd edition). In *Cambridge University Press - Online*

edition. <https://doi.org/10.1108/00242530410565256>

- MateriDosen. (2017). *Use Case Diagram, Lengkap Studi Kasus dan Contoh Use Case*. MateriDosen.Com.
- Mathew, G., Menzies, T., Ernst, N. A., & Klein, J. (2017). 'SHORT'er Reasoning about Larger Requirements Models. *Proceedings - 2017 IEEE 25th International Requirements Engineering Conference, RE 2017*, 154–163. <https://doi.org/10.1109/RE.2017.31>
- Matulevičius, R., & Heymans, P. (2007). Visually Effective Goal Models using KAOS. *FUNDP-PRECISE, November*. <https://doi.org/10.1007/978-3-540-76292-8>
- Mavin, A., Wilkinson, P., Teufl, S., Femmer, H., Eckhardt, J., & Mund, J. (2017). Does Goal-Oriented Requirements Engineering Achieve Its Goal? *Proceedings - 2017 IEEE 25th International Requirements Engineering Conference, RE 2017*, 174–183. <https://doi.org/10.1109/RE.2017.40>
- Mendonça, D. F., Nunes Rodrigues, G., Ali, R., Alves, V., & Baresi, L. (2016). GODA: A goal-oriented requirements engineering framework for runtime dependability analysis. *Information and Software Technology*, 80, 245–264. <https://doi.org/10.1016/j.infsof.2016.09.005>
- Mendonca, D. F., Rodrigues, G. N., Ali, R., Alves, V., & Baresi, L. (2016). GODA : A goal-oriented requirements engineering framework for runtime dependability analysis. *Information and Software Technology*, 80, 245–264. <https://doi.org/10.1016/j.infsof.2016.09.005>
- Misra, J. (2016). Terminological inconsistency analysis of natural language requirements. *Information and Software Technology*, 74, 183–193. <https://doi.org/10.1016/j.infsof.2015.11.006>
- Mohammadi, N. G., & Heisel, M. (2017). A framework for systematic refinement of trustworthiness requirements. *Information (Switzerland)*, 8(46), 1–22. <https://doi.org/10.3390/info8020046>
- Mokammel, F., Coatanéa, E., Coatanéa, J., Nenchev, V., Blanco, E., & Pietola, M. (2018). Automatic requirements extraction , analysis , and graph representation using an approach derived from computational. *System Engineering*, 21(6), 1–21. <https://doi.org/10.1002/sys.21461>
- Morales, J. M., Navarro, E., Sánchez, P., & Alonso, D. (2016). A family of experiments to evaluate the understandability of TRiStar and i \* for modeling teleo-reactive systems. *Journal of Systems and Software*, 114, 82–100. <https://doi.org/10.1016/j.jss.2015.12.056>
- Morandini, M., Penserini, L., Perini, A., & Marchetto, A. (2017). Engineering requirements for adaptive systems. *Requirements Engineering*, 22, 77–103. <https://doi.org/10.1007/s00766-015-0236-0>
- Mussbacher, G., Amyot, D., Araújo, J., Moreira, A., Weiss, M., & Edward, K. (2007). Visualizing Aspect-Oriented Goal Models with AoGRL. *Second*



*International Workshop on Requirements Engineering Visualization (REV 2007), Rev.*

- Neace, K., Roncace, R., & Fomin, P. (2018). Goal model analysis of autonomy requirements for Unmanned Aircraft Systems. *Requirements Engineering*, 23(4), 509–555. <https://doi.org/10.1007/s00766-017-0278-6>
- Nguyen, C. M., Sebastiani, R., Giorgini, P., & Mylopoulos, J. (2018). Multi-objective reasoning with constrained goal models. *Requirements Engineering*, 23(2), 189–225. <https://doi.org/10.1007/s00766-016-0263-5>
- Nguyen, T. H., Grundy, J. C., & Almorsy, M. (2016). Ontology-based automated support for goal – use case model analysis. *Software Quality Journal*, 24(3), 635–673. <https://doi.org/10.1007/s11219-015-9281-7>
- Niu, N., Wang, W., Gupta, A., Assarandarban, M., Xu, L. Da, Savolainen, J., & Cheng, J. C. (2018). Requirements Socio-Technical Graphs for Managing Practitioners' Traceability Questions. *IEEE Transactions on Computational Social Systems*, 5(4), 1152–1162. <https://doi.org/10.1109/TCSS.2018.2872059>
- Noorian, M., Bagheri, E., & Du, W. (2017). Toward automated quality-centric product line configuration using intentional variability. *Software: Evolution and Process*, 29(9), 1–26. <https://doi.org/10.1002/smr.1870>
- Perera, H., Mussbacher, G., Hussain, W., Ara Shams, R., Nurwidiantoro, A., & Whittle, J. (2020). Continual Human Value Analysis in Software Development: A Goal Model Based Approach. *2020 IEEE 28th International Requirements Engineering Conference (RE)*, 4, 192–203. <https://doi.org/10.1109/re48521.2020.00030>
- Pinguie, R., Véron, P., Segonds, F., & Croué, N. (2018). A requirement mining framework to support complex sub-systems suppliers. *Procedia CIRP*, 70, 410–415. <https://doi.org/10.1016/j.procir.2018.03.228>
- Prasetya, D. D., Wibawa, A. P., & Hirashima, T. (2018). The performance of text similarity algorithms. *International Journal of Advances in Intelligent Informatics*, 4(1), 63–69. <https://doi.org/10.26555/ijain.v4i1.152>
- Pratama, A. R. (2019). *Belajar UML - Sequence Diagram*. Codepolitan.
- Pressman, R. S., & Maxim, B. R. (2015). Software Engineering A Practitioner's Approach. In *Mc Graw Hill Education* (Eighth Edi). Mc Graw Hill Education.
- Reginato, C. C., Salamon, J. S., Nogueira, G. G., Barcellos, M. P., Souza, V. E. S., & Monteiro, M. E. (2019). GO-FOR: A goal-oriented framework for ontology reuse. *Proceedings - 2019 IEEE 20th International Conference on Information Reuse and Integration for Data Science, IRI 2019, September*, 99–106. <https://doi.org/10.1109/IRI.2019.00028>
- Rios, R., Fernandez-gago, C., & Lopez, J. (2018). Modelling privacy-aware trust negotiations. *Computers & Security*, 77, 773–789. <https://doi.org/10.1016/j.cose.2017.09.015>

- Robinson, N. (1989). Integrating Multiple Domain Specifications Goals. *Proceedings of the 5th International Workshop on Software Specification and Design (IWSSD) '89*, 219–226.
- Rodrigues, A., Rodrigues, G. N., Knauss, A., Ali, R., & Andrade, H. (2019). Enhancing context specifications for dependable adaptive systems: A data mining approach. *Information and Software Technology*, 112, 115–131. <https://doi.org/10.1016/j.infsof.2019.04.011>
- Russell, S., & Norvig, P. (2010). *Artificial Intelligence: A Modern Approach* (Third Edit). PrenNce Hall.
- Saini, R., Bali, S., & Mussbacher, G. (2019). Towards web collaborative modelling for the user requirements notation using eclipse che and theia IDE. *Proceedings - 2019 IEEE/ACM 11th International Workshop on Modelling in Software Engineering, MiSE 2019*, 15–18. <https://doi.org/10.1109/MiSE.2019.00010>
- Santos, M., Gralha, C., Goulão, M., Araújo, J., Moreira, A., & Cambeiro, J. (2016). What is the Impact of Bad Layout in the Understandability of Social Goal Models? *Proceedings - 2016 IEEE 24th International Requirements Engineering Conference, RE 2016*, 206–215. <https://doi.org/10.1109/RE.2016.51>
- Sarmiento, E., Leite, J. C. S. P., Almentero, E., & Alzamora, G. S. (2016). Test Scenario Generation from Natural Language Requirements Descriptions based on Petri-Nets. *Electronic Notes in Theoretical Computer Science*, 329, 123–148. <https://doi.org/10.1016/j.entcs.2016.12.008>
- Sartoli, S., Ghanavati, S., & Siami Namin, A. (2020). Towards Variability-Aware Legal-GRL Framework for Modeling Compliance Requirements. *2020 IEEE 7th International Workshop on Evolving Security & Privacy Requirements Engineering (ESPRe) Towards*, 7–12. <https://doi.org/10.1109/espre51200.2020.00007>
- Sato, S. (2017). GDM-CBDT: A Mathematical Model for Goal Decomposition Based on Case-Based Decision Theory. *Proceedings - 4th International Conference on Applied Computing and Information Technology, 3rd International Conference on Computational Science/Intelligence and Applied Informatics, 1st International Conference on Big Data, Cloud Computing, Data Science*, 147–151. <https://doi.org/10.1109/ACIT-CSII-BCD.2016.038>
- Sharma, R. (2017). CRUISE: A Platform for Crowdsourcing Requirements Elicitation and Evolution. *Proceedings of 2017 Tenth International Conference on Contemporary Computing (IC3)*, 1–7.
- Silva, J. M., Javales, R., & Silva, J. R. (2019). A new Requirements Engineering approach for Manufacturing based on Petri Nets. *IFAC-PapersOnLine*, 52(10), 97–102. <https://doi.org/10.1016/j.ifacol.2019.10.006>
- Sommerville, I. (2011). *Software Engineering Ninth Edition* (Ninth Edit). Addison Wesley. <https://doi.org/10.1136/bmj.1.5802.756-b>

- Souza, A. C. C., Nunes, F. L. S., & Delamaro, M. E. (2018). An automated functional testing approach for virtual reality applications. *Software: Testing Verification Reliability*, 28(8), 1–31. <https://doi.org/10.1002/stvr.1690>
- Sprinkle, J., Rumpe, B., Vangheluwe, H., & Karsai, G. (2010). Metamodelling State of the Art and Research Challenges. In *Lecture Notes in Computer Science* (pp. 57–76). <https://doi.org/10.1093/acprof:oso/9780199688241.003.0002>
- Steinberger, M., Reinhartz-berger, I., & Tomer, A. (2018). Cross lifecycle variability analysis : Utilizing requirements and testing artifacts. *The Journal of Systems & Software*, 143, 208–230. <https://doi.org/10.1016/j.jss.2018.04.062>
- Stephens, R. (2015). *Beginning Software Engineering*.
- Subramanian, C. M., Krishna, A., & Kaur, A. (2018). Game Theory-Based Requirements Analysis in the i\* Framework. *The Computer Journal*, 61(3), 427–446. <https://doi.org/10.1093/comjnl/bxx110>
- Tenso, T., Norta, A. H., Rootsi, H., Taveter, K., & Vorontsova, I. (2017). Enhancing Requirements Engineering in Agile Methodologies by Agent-Oriented Goal Models: Two empirical case studies. *Proceedings - 2017 IEEE 25th International Requirements Engineering Conference Workshops, REW 2017*, 268–275. <https://doi.org/10.1109/REW.2017.24>
- Thinyane, M., & Goldkind, L. (2020). A Multi-Aspectual Requirements Analysis for Artificial Intelligence for Well-being. *2020 IEEE First International Workshop on Requirements Engineering for Well-Being, Aging, and Health (REWBAH) A*, 11–18. <https://doi.org/10.1109/rewbah51211.2020.00008>
- Tueno, S., Frappier, M., Laleau, R., & Mammar, A. (2018). Back propagating B system updates on SysML/KAOS domain models. *Proceedings of the IEEE 23rd International Conference on Engineering of Complex Computer Systems, ICECCS*, 160–169. <https://doi.org/10.1109/ICECCS2018.2018.00025>
- Tueno, S., Laleau, R., Mammar, A., & Frappier, M. (2017). Towards using ontologies for domain modeling within the SysML/KAOS approach. *Proceedings - 2017 IEEE 25th International Requirements Engineering Conference Workshops, REW 2017*, 1–5. <https://doi.org/10.1109/REW.2017.22>
- van Gennip, Y., Hunter, B., Ma, A., Moyer, D., de Vera, R., & Bertozzi, A. L. (2018). Unsupervised record matching with noisy and incomplete data. *International Journal of Data Science and Analytics*, 6(2), 109–129. <https://doi.org/10.1007/s41060-018-0129-7>
- Van Lamsweerde, A. (2009). Requirements Engineering From System Goals to UML Models to Software Specifications. In *Wiley*. Wiley. <https://doi.org/10.1109/19.481329>
- Van Lamsweerde, A. (2001). Goal-oriented requirements engineering: A guided tour. *Proceedings of the IEEE International Conference on Requirements Engineering*, 249–261.
- Vassev, E., & Hinchey, M. (2016). Capturing autonomy features for unmanned

- spacecraft with ARE, the autonomy requirements engineering approach. *Innovations in Systems and Software Engineering*, 12(2), 95–107. <https://doi.org/10.1007/s11334-015-0257-3>
- Vialon, A., Tei, K., & Aknine, S. (2017). Soft-Goal Approximation Context Awareness of Goal-Driven Self-Adaptive Systems. *Proceedings - 2017 IEEE International Conference on Autonomic Computing, ICAC 2017*, 233–238. <https://doi.org/10.1109/ICAC.2017.25>
- Vistbakka, I., & Troubitsyna, E. (2020). Pattern-Based Goal-Oriented Development of Fault -Tolerant MAS in Event-B. *18th International Conference, PAAMS 2020*, 327–339.
- Wang, J., Li, G., & Fe, J. (2011). Fast-join: An efficient method for fuzzy token matching based string similarity join. *Proceedings - International Conference on Data Engineering*, 458–469. <https://doi.org/10.1109/ICDE.2011.5767865>
- Wang, J., Li, G., & Feng, J. (2014). Extending string similarity join to tolerant fuzzy token matching. *ACM Transactions on Database Systems*, 39(1), 7:1-7:45. <https://doi.org/10.1145/2535628>
- Wang, Y. L., & Grubb, A. M. (2020). Towards a General Solution for Layout of Visual Goal Models with Actors. *2020 IEEE 28th International Requirements Engineering Conference (RE) Towards*, 352–357. <https://doi.org/10.1109/re48521.2020.00047>
- Wautelet, Y. (2019). A model-driven IT governance process based on the strategic impact evaluation of services. *Journal of Systems and Software*, 149, 462–475. <https://doi.org/10.1016/j.jss.2018.12.024>
- Winkler, W. E. (1990). *String Comparator Metrics and Enhanced Decision Rules in the Fellegi-Sunter Model of Record Linkage*. <http://files.eric.ed.gov/fulltext/ED325505.pdf>
- Wirasta, W., Soemitro, H. L., & Hendradjaya, B. (2017). Utilization of AHP Method in Elicitation Process for Goal Oriented Implementation using KAOS modelling. *Proceedings of 2016 International Conference on Data and Software Engineering, ICoDSE 2016*, 1–6. <https://doi.org/10.1109/ICODSE.2016.7936144>
- Woldeamlak, S., Diabat, A., & Svetinovic, D. (2016). Goal-Oriented Requirements Engineering for Research-Intensive Complex Systems : A Case Study. *System Engineering*, 19(4), 322–333. <https://doi.org/10.1002/sys>
- Xiong, W., Lu, Z., Li, B., Hang, B., & Wu, Z. (2018). Automating smart recommendation from natural language API descriptions via representation learning. *Future Generation Computer Systems*, 87, 382–391. <https://doi.org/10.1016/j.future.2018.05.006>
- Yu, M., Li, G., Deng, D., & Feng, J. (2016). String similarity search and join: a survey. *Frontiers of Computer Science*, 10(3), 399–417. <https://doi.org/10.1007/s11704-015-5900-5>



Zhou, Z., Zhi, Q., Morisaki, S., & Yamamoto, S. (2020). An Evaluation of Quantitative Non-Functional Requirements Assurance Using ArchiMate. *IEEE Access*, 8, 72395–72410. <https://doi.org/10.1109/ACCESS.2020.2987964>