[1] D. Drechsel, A. E. Bejnordi, S. Henkler, and K. Rother, "Comparing quantization techniques for DNNs in precision agriculture," in *Architecting the Future: Intelligent Systems for Embedded AI, Autonomous Technologies, and Digital Twins*, M. A. Wehrmeister, S. Henkler, M. Kreutz, M. Götz, and A. Rettberg, Eds., Extended version of IESS 2022 conference paper, Cham: Springer, 2026.

[2] M. Azarafza, F. Idrees, A. E. Bejnordi, C. Steinmetz, S. Henkler, and A. Rettberg, "Human-in-the-loop reasoning for traffic sign detection: Collaborative approach YOLO with video-LLaVA," in *Advances in Information and Communication: Proceedings of the 2025 Future of Information and Communication Conference (FICC)*, ser. Lecture Notes in Networks and Systems, Berlin, Germany: Springer Nature Switzerland, Apr. 2025, pp. 160–171, ISBN: 978-3-031-84456-0. DOI: 10.1007/978-3-031-84457-7.

[3] K. Rother, S. Henkler, A. A. Sulaimon, M. A. R. Delgado, and V. Sorokina, "A data acquisition pipeline for smart farming in the domain of sugar beets," in *Proceedings of the 15th European Conference on Precision Agriculture (ECPA 2025)*, Barcelona, Spain: Wageningen Academic Publishers, Jun. 2025.

[4] G. Scalora, D. Drechsel, and S. Henkler, "Multi-objective DSE for energy efficient TinyML applications with real-time constraints," in *Proceedings of the Design, Automation & Test in Europe Conference & Exhibition (DATE 2025)*, Poster presentation, Lyon, France: IEEE, Mar. 2025, ISBN: 978-3-9826741-0-0.

[5] A. A. Tabbassi, C. Beck, K. Rother, and S. Henkler, "Dynamic real-time pathfinding generation for energy-efficient UAV swarm pathfinding in a smart agriculture context," in *Proceedings of the 23rd IEEE International Conference on Industrial Informatics (INDIN 2025)*, Kunming, China: IEEE, Jul. 2025, pp. 1–10.

[6] A. A. Tabbassi, D. Drechsel, and S. Henkler, "Fusing deep learning and control theory for optimized sugar beet yield prediction," in *Proceedings of the 11th Asian-Australasian Conference on Precision Agriculture (ACPA 11)*, Chiayi, Taiwan, Oct. 2025.

[7] A. A. Tabbassi, K. Rother, and S. Henkler, "Energy-constrained unknown trajectory optimization for multi-agent aerial systems in precision farming," in *Proceedings of the 15th European Conference on Precision Agriculture (ECPA 2025)*, Barcelona, Spain: Wageningen Academic Publishers, Jun. 2025.

[8] A. A. Tabbassi, K. Rother, and S. Henkler, "Optimizing sugar beet yield prediction through a mixture-of-experts framework: Integrating system identification, multi-objective optimization, control theory," in *Proceedings of the CANVAS Conference*, 2025.

[9] A. A. Tabbassi and S. Henkler, "AADAP: Adaptive algorithmic determination for energy-efficient UAV swarm pathfinding," in *Proceedings of the 15th European Conference on Precision Agriculture (ECPA 2025)*, Barcelona, Spain: Wageningen Academic Publishers, Jun. 2025.

[10] A. A. Tabbassi, L. Walter, and S. Henkler, "IQlForge: A framework for adaptive robotic intelligence," in *Proceedings of the 15th International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH 2025)*, Bilbao, Spain: SciTePress, Jun. 2025, ISBN: 978-989-758-759-7.

[11] M. Azarafza, A. E. Bejnordi, K. Glöwing, F. Idrees, S. Henkler, and A. Rettberg, "A parameter-efficient fine-tuning approach to enhance vision-language models for damaged and degraded traffic sign recognition," in *2025 13th International Conference on Control, Mechatronics and Automation (ICCMA)*, IEEE, 2025, pp. 540–546.

[12] L. Brodo, G. Scalora, and S. Henkler, "What do we really need? identifying minimal sufficient temporal properties via refinement," in *Proceedings of the IEEE/ACM 48th International Conference on Software Engineering: Companion Proceedings (ICSE-Companion '26)*, To appear in 2026, Rio de Janeiro, Brazil: ACM, 2026, pp. 1–2. DOI: 10.1145/3774748.3795661.

[13] L. Brodo, G. Scalora, and S. Henkler, "Runtime self-optimization through knowledge-driven design space reduction," in *Proceedings of the 21st International Conference on Software Engineering for Adaptive and Self-Managing Systems (SEAMS '26)*, To appear in 2026, Rio de Janeiro, Brazil: ACM, 2026, pp. 1–12. DOI: 10.1145/3788550.3794861.

[14] L. Brodo, G. Scalora, and S. Henkler, "Property refinement in linear temporal logic: Formal semantics and algorithms for software verification," *Proc. ACM Softw. Eng.*, vol. 3, no. FSE, pp. 1–22, Jun. 2026. DOI: 10.1145/3808127. [Online]. Available: https://doi.org/10.1145/3808127.

[15] L. Brodo, G. Scalora, and S. Henkler, "Towards a digital twin framework for secure and efficient cyber-physical transportation systems," in *Proceedings of the 1st Workshop on Modeling and Verification for Secure and Performant Cyber-Physical Systems (MoVe4SPS)*, Part of CPS-IoT Week 2025, Irvine, CA, USA: IEEE, May 2025, pp. 1–6.