

# Mohamad Bdiwi

## List of selected publications

(as of October 2023)

- M. Bdiwi**, A. Hellmich, S. Ihlenfeldt, A. Müller, “From Batch-Size 1 to Serial Production: Adaptive Robots for Scalable and Flexible Production Systems” Research Topic, Front. Robot. AI, Sec. Robotic Control Systems, 2022.
- M Bdiwi**, I Al Naser, J Halim, S Bauer, P Eichler “Towards safety4. 0: A novel approach for flexible human-robot-interaction based on safety-related dynamic finite-state machine with multilayer operation modes” - Frontiers in Robotics and AI, Sec. Robotic Control Systems, Volume 9 – 2022. <https://doi.org/10.3389/frobt.2022.1002226>
- M Bdiwi**, S Krusche, J Halim, P Eichler, S Hou “Situational zone-based robot control for heterogeneous safety sensors in agile HRI applications IEEE International Symposium on Robotic, 2022.
- M. Bdiwi**, A. K. Harsch, P. Reindel, M. Putz, VariPath: A Database for Modelling the Variance of Human Pathways in Manual and HRC Processes with Heavy-Duty Robots, IEEE International Conference on Robotics and Automation (ICRA), 2020, France.
- M. Bdiwi**, M. Pfeifer and A. Sterzing, “A new strategy for ensuring human safety during various levels of interaction with industrial robots”, CIRP Annals- Manufacturing Technology; DOI: 10.1016/j.cirp.2017.04.009., 2017
- M. Bdiwi**, “Integrated Sensors System for Human Safety during Cooperating with Industrial Robots for Handing-over and Assembling Tasks”, Conference on Assembly Technologies and Systems (ScienceDirect), Germany, 2014.