

Simon Mathiesen
The Maersk Mc-Kinney Moller Institute
SDU Robotics
Email: simat@mmmi.sdu.dk
Fax: 66157697

Research outputs

Towards robot cell matrices for agile production–SDU Robotics' assembly cell at the WRC 2018

Schlette, C., Buch, A. G., Hagelskjær, F., Iturrate, I., Kraft, D., Kramberger, A., Lindvig, A. P., Mathiesen, S., Petersen, H. G., Rasmussen, M. H., Savarimuthu, T. R., Sloth, C., Sørensen, L. C. & Thulesen, T. N., 7. Nov 2019, In : *Advanced Robotics*.

Vision-less Bin-Picking for Small Parts Feeding

Mathiesen, S., Iturrate, I. & Kramberger, A., 2019, *2019 IEEE 15th International Conference on Automation Science and Engineering, CASE 2019*. IEEE, p. 1657-1663 (IEEE International Conference on Automation Science and Engineering).

Optimisation of Trap Design for Vibratory Bowl Feeders

Mathiesen, S., Sørensen, L. C., Kraft, D. & Ellekilde, L-P., 13. Sep 2018, *Proceeding of the 2018 IEEE International Conference on Robotics and Automation*. IEEE, p. 3467-3474

Automatic Design of Vibratory Feeders using Dynamic Simulation

Mathiesen, S., 2017, Syddansk Universitet. Det Tekniske Fakultet.

Automation Selection and Sequencing of Traps for Vibratory Feeders

Mathiesen, S. & Ellekilde, L-P., 2017, *Proceedings of the 7th International Conference on Simulation and Modeling Methodologies*. SCITEPRESS Digital Library, Vol. 1. p. 145-154

Configuration and validation of dynamic simulation for design of vibratory bowl feeders

Mathiesen, S. & Ellekilde, L. P., 2016, *Proceeding of the 12th IEEE International Conference on Control and Automation*. IEEE, p. 485-492

Configuration System for Simulation Based Design of Vibratory Bowl Feeders

Natapon Hansen, M., Mathiesen, S., Ellekilde, L-P. & Madsen, O., 2016, *Proceedings of the 5th International Conference on Simulation, Modeling, and Programming for Autonomous Robots*. IEEE Press, p. 147-154

Industrial Assembly Cases

Ellekilde, L-P., Buch, J. P., Iversen, T. M., Laursen, J. S., Mathiesen, S., Sørensen, L. C., Kraft, D., Savarimuthu, T. R., Petersen, H. G., Chrysostomou, D., Hansson, M. & Schou, C., 2016, Syddansk Universitet. Mærsk Mc-Kinney Møller Institutet. 22 p. (Technical Reports - Maersk Mc-Kinney Moller Institute, University of Southern Denmark; No. 1).