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## Publikationer

### **Vision-less Bin-Picking for Small Parts Feeding**

Mathiesen, S., Iturrate, I. & Kramberger, A., 22. aug. 2019, *2019 IEEE 15th International Conference on Automation Science and Engineering*. IEEE, s. 1657-1663 7 s.

### **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, s. 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, Bind 1. s. 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, s. 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, s. 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 s. (Technical Reports - Maersk Mc-Kinney Moller Institute, University of Southern Denmark; Nr. 1).