In the course of advancing digitalization, manufacturing companies are confronted with constantly growing volumes of data in order to optimize their business processes. These have to be collected, stored, managed and analyzed. Although these theoretically extensive data volumes are available, many companies find it difficult to exploit the analytical potential of their data and generate a competitive advantage from it.

"Data analysis will be increasingly crucial in the future to fully understand the physical processes in production and thereby achieve new levels of quality," says Prof. Robert Schmitt.

In the context of these considerations, various questions arise concerning the current state of research at the plant level and also what resources and capabilities are needed for effective data analysis. In addition, we are particularly interested in how data analysis methods can be used to successfully increase competitiveness.

Together with our colleagues from the Institute of Technology Management, University of St. Gallen (ITEM-HSG), we are investigating these and other questions in our study "Manufacturing Data Analytics 2023".

Free of Charge Participation

Participation in the study is free of charge and offers an individual and exclusive insight into the state of research in relation to Industry 4.0/Smart Manufacturing. Participation is aimed in particular at people from the manufacturing sector, regardless of the size of the company or the products to be produced.

Click here to register: https://www.soscisurvey.de/MDA2023/

In order for the study content to be presented in the best possible way visually, we recommend answering the questions via laptop, desktop PC or tablet.

The survey data will be treated with the utmost discretion and in compliance with the German Data Protection Act (DSGVO) will not be passed on to third parties and will only be used in anonymized, aggregated form.

The publication of the study results is planned for October 2023 via Apprimus Verlag.
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Laboratory for Machine Tools and Production Engineering (WZL)
The Laboratory for Machine Tools and Production Engineering (WZL) of RWTH Aachen University enhances the innovative strength and competitiveness of the industry with trend-setting basic research, applied research and the associated consulting and implementation projects in the field of production technology. In the research fields of manufacturing technology, machine tools, production engineering, gear technology as well as production metrology and quality management, practical solutions for rationalizing production are developed with industrial partners from a broad range of branches.