Press Release

DASYLab for Colleges: Virtual expert seminar on communications engineering relies on the "Easy-to-use" software

(Moenchengladbach, 29 April 2020). The DASYLab software supports lecturers, students and pupils in virtual courses on communications engineering. It is an essential part of the learning system "Signals - Processes - Systems: A Multimedia and Interactive Introduction to Signal Processing" by Ulrich Karrenberg (Springer Vieweg publishing house). The program is available free of charge in the study version DASYLab S.

The interactive, multimedia learning system "Signals - Processes - Systems" is a virtual seminar for technical and scientific education and training. The didactic concept aims to convey the basics of digital signal processing directly on the PC in a clear and comprehensible way, so that learning success is also ensured in self-exploratory learning. The learning system uses the internationally established measurement technology software DASYLab for the visualization of signals and processes and for the graphical programming of signal technology systems. As "easy-to-use" software with an intuitive, graphic-interactive operating concept, the program is excellently suited as learning software and has been used successfully in university education for a long time.
The multimedia learning system, which was awarded the German Education Media Prize (digita 2003), offers teachers a wide range of image material, interactive simulations and clear visualizations of signal technology processes for integration in lectures and other courses. Students can use the DASYLab software to experimentally explore even complex signaling processes. The current, 7th edition contains about 300 examples in the form of pre-programmed applications for DASYLab S.
"DASYLab provides an almost complete experimental laboratory with all necessary modules and measuring devices. The software is easy to use and offers all possibilities to develop own systems and to modify them again and again", says author Ulrich Karrenberg, didactician and engineer for communications engineering.
The learning system published by Springer Vieweg is available in German and English as a book with DVD and as an eBook. Further information and a free download for universities and other

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educational institutions can be found on the website https://www.asat.de.
The learning system uses the internal sound card for data acquisition and data output, but USB audio devices can also be used. Further drivers for data acquisition are included in the industrial versions of DASYLab, for which there are affordable university offers. Support and sales are provided by measX GmbH & Co. KG in Moenchengladbach.

Link to book: https://www.springer.com/de/book/9783642380525

About measX GmbH & Co. KG:

measX is a specialist for test bench technology and test data management with more than 35 years of experience in system integration and software development. We develop test systems, data management applications and systems for test data evaluation for use in research, development and production. Its customers include well-known companies from the automotive industry as well as from the chemical, electronics and energy sectors.

measX develops internal standards and tools as well as its own hardware and software products from proven solutions. A milestone is the development of the software X-Crash, one of the world's leading systems for the evaluation of vehicle safety tests and binding standard at Euro NCAP.

measX has been a Platinum Alliance Partner of National Instruments for many years and is an active member in committees such as AMA Fachverband für Sensorik e.V., ASAM e.V. and many others. (Association for Standardisation of Automation and Measuring Systems) and Arbeitskreis Fahrzeugsicherheit (AKFZ).

More than 50 employees work for customers in Germany, Europe and beyond at the company locations in Mönchengladbach, Aachen and Stuttgart.

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