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Press Release

automatica Trend Index 2018

Study: 7,000 workers interviewed about robots + AI world-wide

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With around 1.8 million industrial robots, the number of robots has reached a new record in factories around the world. Workers around the world rate the fact that "colleague robots" can take over work that is detrimental to health or handle hazardous materials positively (64 percent on average). However, employees are worried about how their own training can keep up with the pace of the working world 4.0. These are the findings of the automatica Trend Index 2018. 7,000 employees in the USA, Asia and Europe in a representative survey of the population were interviewed by a market research institute on behalf of automatica, the world's leading trade fair for robotics and automation.

When it comes to their own country, only about one in four employees is convinced that training and development already plays a key role in the workplace of the future. This new collaboration with robots is regarded by the majority of all seven countries (average 68 percent) as an opportunity to master higher-skilled work. Particularly in China (86 percent) and in the

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USA (74 percent), people expect that robotics automation will provide added impetus to further their vocational training. The number of higher-skilled and better paid jobs will rise in the future with the new human-robot teams – according to about one in two survey respondents in Germany, France, Italy, the UK and Japan. In China and the United States, as many as 80 percent of workers presume this will be the case.

The maturity level in training and development

Based on school grades, the maturity level in training and development for the digital workplace of the future has so far fallen far short of employee expectations: with a grade of good or very good, the current offering of one's own employer is not even rated by one in four respondents (on average 23 percent).

Robotics and automation are very popular

The companies can count on a positive basic attitude among their employees regarding robotics and automation. In the working world of the future, human-robot teams will improve manufacturing by combining human talents with the strengths of robotics - some 70 percent believe. When people and machines work hand-in-hand without a safety fence, people need talents such as judgement and fine motor skills. The robot can score with power and precision.

64 percent of all workers from the seven countries want to use

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artificial intelligence (AI) for human-machine collaboration. 73 percent assume that AI makes it easier for people to assign the machine new tasks - for example, via voice command or touch-pad.

automatica 2018 shows rapid development to work 4.0

"As the survey shows, employees want more consistent commitments from politicians, industry and science as regards training and development for work 4.0," says Falk Senger, managing director of technology fairs at Messe München. "At the same time, the technological development of intelligent automation and robotics is advancing at a tremendous pace. All aspects of this development will be showcased at the automatica 2018 in Munich from 19 to 22 June. "

automatica Trend Index 2018

For the 2018 automatica Trend Index, a total of 7,000 employees, in the US (N = 1,000), China (N = 1,000), Japan (N = 1,000), Germany (N = 1,000), France (N = 1,000), Great Britain (N = 1,000) and Italy (N = 1,000) were interviewed in a representative survey of the population in January 2018 by a market research institute (online panel) on how robots and digitization are changing the working world.

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“The Role of Man in the Smart Factory” at automatica 2018

The special exhibition presented by VDMA Robotics + Automation “The Role of Man in the Smart Factory” demonstrates that people play a central role in the digital factory. Trade visitors can see there how people and machines will interact in the future, how they will communicate with each other, and how ergonomic and versatile jobs will be. Place: hall B4, booth 338

[Video: Humans and Machines - Together for a Promising Future](#)

[Infographic: The World of Robotics](#)

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About automatica

[automatica](#) is an international trade fair for robotics and automation and the central meeting point for manufacturers and users of integrated assembly solutions, robotics, industrial machine vision and professional service robotics. With the Trend-setting topics digital transformation in manufacturing, human-robot collaboration and service robotics, automatica makes an important contribution to designing Work 4.0 at places where people bear more responsibility than ever before. At the last event in 2016, a total of 833 exhibitors from 47 countries presented their products and solutions; 43.052 visitors from more than 100 countries came to the Munich trade fair. Messe München GmbH and VDMA Robotics + Automation, conceptual sponsor of the trade fair, are behind the industry-driven concept of automatica. automatica takes place every two years. The next fair will be in Munich on June 19 to 22, 2018.

The smarter E Europe

Parallel to automatica [The smarter E Europe](#) will bring together the Intersolar and ees Europe exhibitions along with two new energy exhibitions, Power2Drive Europe and EM-Power. As the innovation hub for empowering new energy solutions, The smarter E Europe presents cross-sector energy solutions of the future.

Messe München

Messe München is one of the leading exhibition organizers worldwide with more than 50 of its own trade shows for capital goods, consumer goods and new technologies. Every year, a total of over 50,000 exhibitors and around three million visitors take part in more than 200 events at the exhibition center in Munich, at the ICM – Internationales Congress Center München and the MOC Veranstaltungszentrum München as well as abroad. Together with its subsidiary companies, Messe München organizes trade shows in China, India, Brazil, Russia, Turkey, South Africa, Nigeria, Vietnam and Iran. With a network of associated companies in Europe, Asia, Africa and South America as well as around 70 representations abroad for over 100 countries, Messe München has a global presence.

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