

## **FMB 2016**

9 - 11 November 2016 | Bad Salzuflen Exhibition Centre

## **PRESS INFORMATION**

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Research & Development

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## **Research and Development at FMB 2016**

### [OWL as a "hot spot" for Industry 4.0](#)

At the forthcoming FMB – The supplier show for mechanical engineering, which will be held at Bad Salzuflen Exhibition Centre from 9 to 11 November 2016, visitors will not only be able to obtain information on current developments but also on future developments in the field of mechanical engineering and industrial production.

Several universities of applied sciences and other research institutes of the region will be showcasing examples of projects, prototypes and research projects at the fair. In doing so, they will demonstrate how OWL, as the home of FMB, has become a strong research location of mechanical engineering and is continually further developing this position.

Among the institutes making OWL a "hot spot" for Industry 4.0 research is the CoR-Lab of the University of Bielefeld. Its objective is to develop machines which learn from man and his behaviour, adapt themselves to man and which can interact with him in a flexible manner. The institute of industrial IT (InIT) of Lemgo University of Applied Sciences carries out R&D activities in the area of industrial IT and automation for smart technical systems. The Fraunhofer IOSB-INA, which is located at the same site, applies itself to harnessing cognitive behaviour for use in industrial applications. Both institutes are currently involved in further developing the "Centrum Industrial IT" (CIIT) into the Smart Factory OWL, which will be officially opened in April 2016 and will provide a "live" demonstration of how machine parks and production halls will look in the future.

In Paderborn, the members of staff of the Heinz-Nixdorf Institute and their colleagues of Fraunhofer IEM, now an independent institute resulting from a recent spin-off, also conduct research into manufacturing systems of tomorrow. Among the key areas of this research are mechatronics and new modelling methods such as systems engineering.

All of the universities, universities of applied sciences and institutes transfer their findings from their research activities into practical applications – together with industrial partners and as part of the Leading-edge Cluster Intelligent Technical Systems (Intelligente Technische Systeme – it's OWL). They will be showcasing some of their latest projects and intended research activities at the it's OWL joint stand at FMB.

As a result, the visitors will be provided with an extensive overview of the production of the future geared towards the principles of Industry 4.0. At the same time, however, they will become acquainted with today's innovations from the entire mechanical engineering supply industry. Christian Enßle, Portfolio Manager FMB with Clarion Events Deutschland GmbH: "We already have bookings for 90 % of last year's exhibition space - significantly more than at the same time in 2015." The current list of exhibitors shows: As in previous years, a balanced mix of the entire supply industry of plant and mechanical engineering – including research – awaits the visitor once again at the 12th edition of FMB.

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FMB – the supplier show for mechanical engineering will be presenting itself at the Hanover Fair at the joint stand of OWL Maschinenbau: Hall 16, Stand A 04.

Please go to [www.fmb-messe.de](http://www.fmb-messe.de) to download an up-to-date list of FMB exhibitors.

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