



## PRESS RELEASE

February 2019

### Experts talk about embedded intelligence

- **Current status of embedded intelligence, AI and machine learning**
- **First-class international speakers**

**More than two decades ago, the event that was the precursor to the embedded world conference had put the spotlight on embedded intelligence. Back then, it was more of a vision of the future; in the meantime, embedded intelligence is becoming more and more relevant and is shaping an increasing number of systems, from autonomous vehicles, image recognition and embedded vision to preventive and needs-based maintenance in Industry 4.0 applications, and from small embedded micro-controllers to high performance Cloud servers. These developments are opening up immense possibilities and business opportunities, but they are also closely associated with a host of technical, economic, social and ethical issues.**

The high-calibre panel discussion from 15:30 to 16:30 in the Forum Hall 3A on 26 February will explore the current status of AI in respect of embedded system technology and its industries. The panel will also answer the question: “Is all that already reality?”

Professor Axel Sikora, chair of the embedded world advisory board and embedded world conference, will moderate the panel and is looking forward to an exciting discussion with: Jim Tung, MathWorks Fellow, Professor Nikolaus Forgó from the Department for Innovation and Digitalisation in Law, University of Vienna, and Professor Michael Beigl from the Karlsruhe Institute for Technology (KIT), TECO.

“We will be discussing the importance of artificial and embedded intelligence today and in the future with these first-class panellists. We are going to need to talk about when AI and machine learning are useful

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and when they are not. For those who would like even more in-depth insights, the embedded world conference offers a track on “Autonomous and Intelligent Systems”, with two full days of technical presentations,” says Professor Sikora.

### **Brief details of the experts**

**Michael Beigl** has been **Professor** for Pervasive Computing Systems and Head of TECO, the Telecooperation Office research group, at the Karlsruhe Institute of Technology since 2010. Previously, he was Professor of Distributed and Ubiquitous Systems at the Technical University of Brunswick from 2006 to 2010, and guest professor at Keio University in Japan in 2005. From 2000 to 2005, as Scientific Director of TECO at the University of Karlsruhe, he headed a research laboratory for application-driven research. Beigl completed his computer science degree and doctorate at the University of Karlsruhe. Since 2014 he has been the spokesman for the national centre of excellence Smart Data Innovation Lab (SDIL) and the Baden-Württemberg centre of excellence Smart Data Solution Center (SDSC-BW). His research interests are in ubiquitous/pervasive/mobile/wearable computing and focus on issues relating to the combination of human-machine interaction, sensor-driven systems and data analysis using AI methods.

**Professor Nikolaus Forgó**, Professor of IT and IP Law and Technology and Head of Department, University of Vienna. In 1998, Forgó established and has since led the post-graduate programme for information and media law at the University of Vienna. Since March 2017 he has been a member of the Digital Council of Lower Saxony and since October 2017 Professor for IT and IP Law at the University of Vienna, Institute for Innovation and Digitalisation in Law. In addition, Forgó became an expert member of the Austrian Data Protection Council in July 2018.

**Jim Tung** is a **MathWorks** Fellow who focuses on business and technology strategy, working with high-calibre clients and partners. He has more than 35 years of experience in real-time systems, data collection and technical computing, including 30 years at MathWorks. Previously, he was Vice President of Marketing und Vice President of Business Development at MathWorks. Before that he held marketing and sales management positions at Lotus Development and Keithley DAS, a leading manufacturer of PC-based data collection systems.



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