



## Dominik's biography

## Dominik Boesl

### Senior Corporate Innovation Manager and VP of Consumer Driven Robotics at KUKA

Dominik Boesl has been responsible for Innovation and Technology Management at KUKA since he first joined KUKA Laboratories as Head of Corporate Strategy and Member of the Board in 2011.

### Dominik Boesl's Background

In 2012, he became Corporate [Innovation](#) Manager at KUKA AG, directly reporting to the Management Board. His responsibility for innovation and evangelism efforts spans the entire KUKA group. As one of KUKA's Technology Owners (equivalent to other companies' Technical Fellows or Distinguished Engineers), he profoundly contributes to the definition of the group's strategy on "Apps, Cloud & IoT". Dominik graduated with a diploma in Computer Science from the University of Augsburg and an MBA degree from the University of Pittsburgh.

In addition to his career, he has constantly been lecturing at different universities, e.g. Munich Technical University (TUM), and is an [author](#) of technical and scientific publications. At TUM School of Education, he is researching "Technology & Robotic Governance": the ethical, moral, socio-cultural, -political and -economic implications of technologies, as robotics, automation and [artificial intelligence](#) on humankind. In order to foster the interdisciplinary discourse about the impact of Robotics and automation on society and humankind, Dominik is driving the idea of "Robotic Governance", trying to establish a framework for voluntary self-regulation regarding the use of disruptive technologies.

The corresponding initiative and discussion platform can be found at [www.roboticgovernance.com](http://www.roboticgovernance.com). He is also engaged in the IEEE RAS FDC Incubation Project on Autonomous Systems and their Societal Impact as well as in the euRobotics Topic Group on Ethical, Social and Legal Implications (ESL) of Robotics, influencing the input to the European roadmaps.

Furthermore, Dominik organizes workshops on Technology and Robotic Governance at several conferences, like the IEEE GHTC Conference or the European Robotics Forum and is chairing the annual IEEE IROS [Futurist](#) Forum.

In 1999, Dominik started his career at Siemens, where he helped establish the foundations of today's mobile ecosystem by bringing the first UMTS broadcasting cell to market, before joining Microsoft Germany in 2005. At Microsoft, he held various [leadership](#) positions including national responsibility in developer evangelism. Instead of moving to Seattle for a leadership position in program management at Microsoft Corporation, he decided to join the KUKA group.

He is member of the IEEE Robotics and Automation Society Industrial Activities Board, acts as the IEEE/RAS representative in the IEEE Standards Association IoT Steering Committee and serves regularly as judge in innovation and start-up challenges like the IEEE/RAS & International Federation of Robotics (IFR) Invention and [Entrepreneurship](#) Award, the IEEE/RAS IROS Entrepreneurship Forum and Start-Up Contest and the European Space Agency's (ESA) Service Robotics Masters Start-up Award. In his spare time, he publishes educational concepts on serious gaming and works as head of a charity organization that maintains AntMe!, one of the world's most successful serious games.

## Dominik's talks

- **Why do we need Robotic and AI Governance**

An Analysis of the (Socio-) Economic Implication of Robotics and Artificial Intelligence.

- **Disruptive Technologies and their Impact on the Age of Digitalization**

Dominik Bösl of KUKA (Germany) spoke on Robotic and AI governance and their impact on the age of digitalization. He also spoke about approaching the future by mega-trends, changing of marketing and product orientation because of dissolving gender roles, life-long learning and shifting of many job profiles because of the onset of Robotics and Industry 4.0. Bösl predicts that the generation of our children will be the first robotics natives who will have self-driving cars and AI assistants as a norm. He calls attention for ethical-moral, social-cultural and juridical regulation of robotics and AI technologies in order to integrate them into our social and everyday life and work patterns.