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Aviation and More

Robots in the Real World



_creating a new robotic world

Collaborate _be the next innovator

KUKA, a leading global supplier of intelligent automation solutions, implements groundbreaking ideas in robot-based automation around the world. Together with renowned partners from research and industry, KUKA pioneers robots and products for manufacturing as well as for many other application domains.

In its ongoing quest to find the next robotics innovator, KUKA is collaborating with researchers across the globe. Be inspired by our research projects and discuss ways to collaborate with us.

www.kuka.com/cr

Torsten Kröger

(Karlsruhe Institute of Technology):

I am particularly thrilled by reactive motion planning and machine learning. Machines that consistently learn, adapt, and optimize their operations with help from simulation and cloud technologies lead the way to the more flexible, efficient and sustainable manufacturing of the future.

Oussama Khatib

(Stanford University):

The development of the KUKA light-weight robot represents a major milestone in robotics. In collaboration with DLR, KUKA achieved the technology transfer and commercialization of the first sensitive robot ready for human-robot collaboration without fences. For us researchers, it provides a unique platform to control robots through torques – a dream come true for robustly implementing force control, compliance, and full dynamics through operational space control in real applications.

Bruno Siciliano

(University of Naples Federico II):

By orientating research globally, KUKA proposes and undertakes fascinating research and development projects, such as the EC-funded project REFILLS. Here, the main challenges of in-store supermarket logistics processes are being improved through new kinematic structures and workflows.

