Creative Robotics

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Association for Robots in Architecture

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Association for

Robots in Architecture

Founded in 2011 by Sigrid Brell-Cokcan & Johannes Braumann
Spin-Off Association of Vienna University of Technology for applied research with industrial robots | developer of KUKA|prc (parametric robot control)
Chair for Individualized Production, RWTH Aachen University, Germany
Professor for Creative Robotics, University for Arts and Design Linz, Austria

www.robotsinarchitecture.org

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Large-scale commercial fabrication – Artis Engineering, Berlin

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On-site Fabrication – New York, USA

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Robot Control: File-based, realtime-based, or adaptive
Communication Structure - From CAD to the robot controller

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Communication Strategies - Default, Adaptive, Real-Time, Iterative
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ROBOTIC WOODCRAFT

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DIANA - Grasp

DIANA feels for the positions where the parts are to be mounted. When it can't reach the desired position DIANA asks for instructions.
Features:
Real time optimization utilizing machine learning

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