



Smart Cities and Infrastructure

Digital Production and
 Products – Industry 4.0



Future Mobility

Business Opportunities
 for German and Korean
 Companies

Energy for our Future

Prof. Dr.-Ing.

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AMO GmbH
 CEO

RWTH Aachen University
 Professor



Two-dimensional Materials for Future IT

Two-dimensional (2D) materials have been investigated intensely over the past 15 years. They consist of individual atomic layers that are stacked on top of each other, similar to a deck of cards. After the initial excitement over the carbon-based material graphene, hundreds of other 2D materials have been (re-) discovered. 2D materials enable high-speed transistors and optoelectronic conversion as well as many types of sensors. Furthermore, they are flexible and transparent and may thus lead to a future, ubiquitous computing and sensing applications.

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Since 2017	Director, AMO GmbH, Aachen, Germany
2012-2017	Full Professor (W3), University of Siegen, Siegen, Germany
2010-2013	Guest Professor, KTH Royal Institute of Technology, Stockholm, Sweden
2008-2010	Research Fellow, Harvard University, Cambridge, USA
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