

# Curriculum Vitae

## Personal Details

Martin Eder

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### *Affiliation:*

Department for Robotics and Embedded Systems

Technische Universität München

Boltzmannstrasse 3

85748 Garching

## Academic Studies

10/2002–03/2005 intermediate diploma in Mechanical Engineering at the Faculty for Mechanical Engineering, Technische Universität München

04/2005–12/2007 diploma in Mechanical Engineering at the Faculty for Mechanical Engineering, Technische Universität München  
main focus: Information Technology, Fundamentals in Engineering Sciences

Term Papers: *Real-Simulation; Development of a Camera Gripping Device for Industrial Robots*

Diploma Thesis: *Development and prototypic implementation of a wormlike mechanism*

## Internships

06/2002–07/2002 Conti Temic Ingolstadt, 6-week basic internship for mechanics

10/2004–02/2005 practical course (university): Microelectronic Controllers in the Mechatronics

03/2005–04/2005 Brandl Eitensheim, 3-week internship in the field of steel and glass construction

04/2005–07/2005 practical course (university): Methods for Development and Design

10/2005–02/2006 practical course (university): Computer based product development

04/2006–07/2006 practical course (university): Simulation-Technology (Matlab Simulink)

08/2006–10/2006 Mitsubishi Electric Europe B.V., 9-week internship in the domain of industrial automation

## Work Experience

01/2007–03/2008 student assistant at the Institute for Informatics, Technische Universität München, Robotics and Embedded Systems

since 04/2008 research assistant at the Institute for Informatics, Technische Universität München, Robotics and Embedded Systems

since 06/2010 associate membership at Graduate School of Information Science in Health (GSISH)

## Publications

12/2009 Michael Marszalek, Martin Eder, Andreas Tropschug, Alois Knoll, and Hagen Hoefler: *Mobile robots for the simultaneous exploration and 2D determination of radioactivity*. In: *Proceedings of the 8th WSEAS International Conference on Circuits, Systems, Electronics, Control and Signal Processing*. WSEAS, Dec. 2009.

02/2010 Michael Marszalek, Martin Eder, Andreas Tropschug, Alois Knoll, and Hagen Hoefler: *Nena 1.0: Novel extended nuclear application for the safekeeping of contamination-free environments*. In: *Transactions on systems and control*, volume 5, pages 123-132. WSEAS, Feb. 2010

08/2010 Martin Eder and Alois Knoll: *Design of an experimental platform for an x-by-wire car with four-wheel steering*. In: *Proceedings of the 6th IEEE Conference on Automation Science and Engineering*. IEEE Press, August 2010. to appear

## Qualifications

Languages German, native tongue  
English, conversant  
French, basic knowledge

Patent protection attendance to seminar *basics of industrial property*  
assistance to several utility models and patent applications

## Computing Skills

Languages C, UML

Programs CATIA V5 (3D-CAD), SolidWorks (3D-CAD), Matlab Simulink (Simulation)

Munich, 24<sup>th</sup> of June 2010