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## Curriculum Vitae Professor Dr. Gerd Hirzinger

**Name:** Gerd Hirzinger  
**Born:** 17 January 1945  
**Family Status:** married



### Academic and Professional Career

2009 Appointment as Director of DLR's Robotics and Mechatronics Center, RMC, Germany

2006 Extension of the DLR-Institute for Robotics and Mechatronics by the department "Optical Information Systems" in Berlin, Germany

1992 Co-Director of DLR's Institute for Robotics and System Dynamics, Germany

since 1991 Joint professorship with the Technical University of Munich, Germany

1987 - 1994 Rejection of different chairs in "robotics" offered by European Technical Universities like the ETH Zurich, Switzerland

1987 - 1993 Initiation and technical direction of ROTEX - the first robot in space that has successfully flown with spacelab D-2-mission in April 1993, Germany

since 1976 Head of the Automation and Robotics Division at DLR, Germany

1974 Dissertation at the Technical University of Munich, Germany

1969 Starting scientific work at DLR (the German Aerospace Research Establishment)

in the field of optimal and sampled-data control theory

1964 - 1969 Studying electronics and communication theory at the Technical University of Munich, Germany

### **Project coordination, Membership in collaborative research projects (Selection)**

2012 Participation in numerous EU-Projects (e.g. DEXMART, STIFF, VIATORS, etc.), also in national cluster-projects (e.g. in the field robotic orbital servicing and digital cultural heritage)

### **Functions in Scientific Societies and Committees (Selection)**

2012 Member of IEEE (Fellow)

2012 Continuous reviewer of the German Research Foundation (DFG)

2012 Continuous reviewer of the swiss national funds

2012 Science adviser of ADAC

2001 - 2005 Appointment as coordinator of the Bavarian Competence Network Mechatronics, the largest project of Bavarian's High-Tech-Offensive

### **Honours and Awarded Memberships (Selection)**

2013 Admission to National Academy of Sciences acatech

2010 State Medal of the Bavarian Ministry for Economic Affairs.

2009 AIAA Space Automation and Robotics Award of the American Institute of Aeronautics and Astronautics

2008 Nathaniel B. Nichols Medal, presumably the highest award of the International Federation auf Automatic Control (IFAC) in the field of control

2008 Admission in National Academy of Sciences Leopoldina

Nationale Akademie der Wissenschaften Leopoldina  
[www.leopoldina.org](http://www.leopoldina.org)

- 2008 Ernst-Blickle-Prize 2008 of the SEW-EURODRIVE-Stiftung
- 2007 IEEE Field Award „Robotics and Automation“
- 2005 IEEE Pioneer Award of the Robotics and Automation Society “...for his pioneering research in mechatronic devices, teleoperation, articulated hands and lightweight robots, and his leadership in space robotic programs in Europe”
- 2005 Honorary Citizen of Budapest Tech, the union of Budapest Technical Universities, Hungary
- 2004 Member of Wall of fame IT Heinz Nixdorf-Computermuseum, Paderborn, Germany
- 2004 Order of merit of the Federal Republic of Germany
- 2003 Honorary Professor, Harbin Institute of Technology, China
- 2002 Bavarian Innovation Award 2002
- 2002 Golden Hermann Oberth Medal
- 2002 Finalist in the World Technology Award
- 1997 IEEE Fellow Award
- 1996 Karl Heinz Beckurts Award, Germany’s most important award for outstanding promotion of the partnership between science and industry
- 1995 Gottfried W. Leibniz Award, Germany’s highest scientific award
- 1995 JARA (Japan Robotics Society) Award
- 1994 Joe Engelberger Award (advancement of robotic science in the service of mankind)
- 1985 Technology transfer award of the German ministry of technology for fast transfer of robot research results into industrial applications
- 1984 Innovation award of German economy for developing the first robot force-torque sensors commercially available in Europe
- 1975 Maria-Boykow-Award for outstanding work in the field of digital control

## Major Scientific Interests

About 600 publications in robotics, especially sensors, sensory feedback, mechatronics, telerobotics, space and surgical robotics. Numerous activities as program chairman, committee member or invited plenary speaker at international conferences, i.e. program vice-chairman of the IEEE Conference on Robotics and Automation 1994 and 1995, program chairman of the 1994 IEEE Conference on Intelligent Robots and Systems (IROS), the Int. Symposium on Robotics Research (ISRR'95), honorary chair and keynote lecturer of the IEEE Conference on Robotics and Automation (ICRA'98), officer and European representative of the International Federation of Robotics Research, plenary speaker at the IROS conference 2011.