

Curriculum Vitae

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Name:	Roland Y. Siegwart
Nationality:	Swiss
Date of birth:	May 2, 1959, Switzerland
Marital status:	Married, three children
Address:	ETH Zurich Rämistrasse 101 8092 Zurich, Switzerland http://www.vpf.ethz.ch / www.asl.ethz.ch mailto:roland.siegwart@sl.ethz.ch phone: +41 44 632 20 39

Education

- 8/1989 PhD in Mechanical Engineering, ETH Zurich, with distinction Silver Medal ETH.
- 1/1984 Master in Mechanical Engineering, Swiss Federal Institute of Technology, ETH Zurich.
- 6/1979 Baccalaureate (Matura) type C, Schwyz

Professional Career

- 2010 - Vice President Research and Corporate Relations, Swiss Federal Institute of Technology Zurich (ETH)
- 2006 - Full Professor for Autonomous Systems, Swiss Federal Institute of Technology Zurich (ETH)
- 2005 Visiting Professor at NASA Ames and Stanford University (4 month)
- 2002-06 Vice Dean, School of Engineering (STI), EPFL
- 1996-06 Associate / Full Professor in Microengineering Swiss Federal Institute of Technology Lausanne (EPFL).
- 1990-97 Vice-president R&D, MECOS Traxler AG (part time).
- 1990-96 Senior Scientist and Lecturer, Institute of Robotics, ETH Zurich (part time).
- 1989-90 Postdoc at Center of Design and Research (CDR), Stanford University, California, USA.
- 1985-89 Research and teaching assistant, Institute of Mechanics (Prof. Schweitzer), ETH.
- 1984-85 Research and teaching assistant, Turbomachinery Lab (Prof. Gyarmathy), ETH Zurich.

Honors, Distinctions, Awards, Important Appointments

- Member of the Research Council of the Swiss National Science Foundation, 2009
- Elevation to IEEE Fellow, 2008
- Board of Officers, International Foundation of Robotics Research (IFRR), 2007 -
- Honorary Professor of the Swiss Federal Institute of Technology Lausanne (EPFL), 2006
- Member of "Bewilligungsausschuss" of the Excellence Initiative of the German Science Foundation (DFG), 2006-07
- Member of the Swiss Academy of Engineering Sciences, 2006
- Distinguished Lecturer, IEEE Robotics and Automation, 2006-07
- Silver Medal (highest distinction), PhD thesis ETHZ
- Various best paper and innovation awards

Miscellaneous

- Editors-in-Chief, Foundations and Trends in Robotics, now publishers
- Editor board member of three journals and a books series in robotics.
- Six Spin-off companies during the last ten years
- Large number keynote lectures at international conferences
- Leader of three European project
- General- and Program-Chair of various major conferences in the field

Primary Research Interest

- Mobile Robot design and navigation
Localization and mapping, planning in dynamic environments, human robot interaction, locomotion concepts for rough terrain, walking robots, space rovers, autonomous cars and unmanned aerial vehicles.
- Mechatronics Design and Systems Engineering (smart product design, innovation, creativity).
- Artificial Cognitive Systems (Perception, representations, probabilistic reasoning and planning)