

**Prof. Dr.-Ing.
Jürgen Roßmann**

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Born März 19, 1965

Career

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| 2006-present | Chair and Director, Full Professor, Institute of Man-Machine-Interaction, RWTH Aachen University, Aachen, Germany |
| 2005-2006 | Managing Director of EFR-Systems GmbH, Dortmund, Germany |
| 1998-present | Visiting Professor, University of Southern California, Los Angeles, USA |
| 1992-2005 | Postdoctoral researcher, Institute of Robotics Research, University of Dortmund, Germany |
| 1994 | Visiting Scholar, University of Southern California, Los Angeles, CA, USA |
| 1991 | Visiting Scholar, University of Texas at Austin, Austin, TX, USA |

Research Interests

projective virtual reality, multi-agent supervision and control, action planning, multi-sensor-integration, digital factory applications, virtual human, system simulation techniques, real-time visualization, optimization techniques, computer vision, man-machine interaction, teleoperation, medical applications.

Honours

- Adjoint Director of the Institute of Robotics and Mechatronics of DLR, 2006
- Member of the Board of Directors of the Dortmund Center of Computer Integrated Manufacturing, 2005
- Best-Paper-Award of the 6th World Multi-Conference on Systemics, Cybernetics and Informatics (SCI 2002)
- Rudolf Chaudoire Award for excellence in research, 1997
- Benno Orenstein Dissertation Award, 1993
- VDE Award for excellent Diploma, 1989
- Nixdorf Award for excellent Diplomat thesis work, 1988
- Scholarship award from “Studienstiftung des Deutschen Volkes”

Activities/Competence

- Managing Director of VEROSIM GmbH 2006-
- Member of the NRW Research Council “NRW exzellent und innovativ” by invitation of the Prime Minister of NRW, 2005-
- Member of the DLR Advisory Board, 2000-
- Editorial board: Journal on Systemics, Cybernetics and Informatics, 2001 -
- Conference boards: ICRA, IROS

Most Important Relevant Publications (Selected)

- [1] **Roßmann, J.** Taking space robotics technology into the forest and to construction sites: control, simulation and training Proceedings of the ISR/Robotik 2006, Munich, Germany
- [2] **Roßmann, J.**; Schluse, M.; Jung, T. Multi-modal graphical programming of automation components in a 3D-simulation environment Proceedings of the ISR/Robotik 2006, Munich, Germany
- [3] **Roßmann, J.**; Schluse, M.; Schlette, C. Discrete Event Based Framework for Controlling and Programming Robot Manipulators and Virtual Proceedings of the ISR/Robotik 2006, Munich, Germany
- [4] **Roßmann, J.**; Schluse, M.; Schlette, C. From Space into the Forest: VR-based Operator Training for Forest Machine Operators Published in Augmented & Virtual Reality in der Produktentstehung by Gausemeier, J.; Gafe, Michael (Ed.), Paderborn, 2005, HNI Verlagsschriftenreihe, Paderborn, Juni 2005
- [5] Freund. E.; **Roßmann, J.** Projective Virtual Reality as a Basis for on-line Control of Complex Systems - not only - over the Internet Journal of Robotic Systems, Special Issue on Internet & Online Robots for Telemanipulation Applications, New Trends and Advanced Techniques, August 2004.
- [6] Freund. E.; **Roßmann, J.** Distributed Virtual Reality: System Concepts for Cooperative Training and Commanding in Virtual Worlds Invited Paper for the Journal of Systemics, Cybernetics and Informatics, Vol.1, No. 1, ISSN: 1690-4524 January 2003.
- [7] Freund. E.; **Roßmann, J.** Projective Virtual Reality: Bridging the Gap between Virtual Reality and Robotics IEEE Transaction on Robotics and Automation; Special Section on Virtual Reality in Robotics and Automation; pp. 411-422, Vol 15, No. 3, June 1999.