

# Humanoid Robots – Service

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## Journals

- International Journal of Humanoid Robotics (IJHR), World Scientific, <http://www.worldscinet.com/ijhr>
- Journal of Humanoids, I-Tech Education and Publishing, <http://hum.i-techonline.com/>
- IEEE Transactions on Robotics (T-RO), IEEE Robotics and Automation Society, <http://www.ieee-ras.org/tro>
- Robotics and Autonomous Systems (RAS), IAS Society, Elsevier, [www.elsevier.com/locate/robot](http://www.elsevier.com/locate/robot)

## Special Issues:

- Applied Bionics and Biomechanics: Humanoid Robots, editor: Rene Mayorga.
- RAS: Humanoid Soccer Robots, <http://www.humanoidsoccer.org/RAS/>
- RAS 56(1): Humanoid Technologies „Know-how“, 2008.
- T-RO 23(5): Human-Robot Interaction, IEEE, 2007.
- Autonomous Robots 24(2): Socially Assistive Robotics, Springer, 2008.
- Connection Science 18(4): Android Science, Informa, 2006.

## Conferences

- IEEE-RAS International Conference on Humanoid Robots (Humanoids), December 1-3, 2008, Daejeon, Korea, <http://humanoids2008.org>
- IEEE/RSJ 2008 International Conference on Intelligent Robots and Systems (IROS), September, 22-26, 2008, Nice, France, <http://iros2008.inria.fr>
- Robotics: Science and Systems, June 29 - July 1, 2009, Seattle, USA, <http://www.roboticsconference.org>
- IEEE International Conference on Robotics and Automation (ICRA), May 12-17, 2009, Kobe, Japan, <http://www.icra2009.org/>
- IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN)
- International Conference on Climbing and Walking Robots (CLAWAR)
- ACM/IEEE International Conference on Human-Robot Interaction (HRI)
- Conference on Dynamic Walking
- International Symposium on Adaptive Motion of Animals and Machines (AMAM)
- RoboCup International Symposium

## Books

- Shuji Kajita: *Humanoid Roboter: Theorie und Technik des Künstlichen Menschen*, Aka, 2007.
- Matthias Hackel (editor): *Humanoid Robots: Human-like Machines*, I-Tech Education and Publishing, 2007.
- Peter Menzel and Faith D'Aluisio: *Robo sapiens: Evolution of a New Species*, MIT Press, 2000.
- Sidney Perkowitz: *Digital People: From Bionic Humans to Androids*, Joseph Henry Press, 2004.
- David Levy: *Love and Sex with Robots: The Evolution of Human-Robot Relationships*, Harper, 2007.

## Groups and Projects

- List: Android World, <http://www.androidworld.com>
- Humanoid Robotics Institute, Waseda University, Japan, <http://www.humanoid.waseda.ac.jp>
- Intelligent Robotics Laboratory, Osaka University, Japan, <http://www.ed.ams.eng.osaka-u.ac.jp>
- AIST Humanoid Robotics Group (HRP), Tsukuba, Japan, <http://www.is.aist.go.jp/humanoid>
- ATR Humanoid Robots Computational Neuroscience (i-1), Kyoto, Japan, <http://www.cns.atr.jp/hrcn/research.php>
- Honda Asimo, <http://world.honda.com/ASIMO>
- Toyota Partner Robots, <http://www.toyota.co.jp/en/special/robot>
- KAIST HUBO Lab, Daejeon, Korea, <http://hubolab.kaist.ac.kr>
- KIST Network-based Humanoid (MAHRU, AHRA), Seoul, Korea, <http://humanoid.kist.re.kr>
- MIT Humanoid Robotics Group, Cambridge, USA, <http://www.ai.mit.edu/projects/humanoid-robotics-group>
- Humanoids @ CMU (Sarkos, Asimo, Qrio), Pittsburgh, USA, <http://humanoids.cs.cmu.edu>
- Pal Technology (REEM), <http://www.pal-robotics.com>
- RobotCub EU Project (iCub), <http://www.robotcub.org>
- LAAS-CNRS (HRP-2), Toulouse, <http://www.laas.fr>
- SFB 588 - Humanoid Robots (Armar), Karlsruhe, <http://www.sfb588.uni-karlsruhe.de>
- CoTeSys – Cognition for Technical Systems (Johnnie and Lola), München, <http://www.cotesys.org>
- CoR-Lab – Research Institute for Cognition and Robotics (Asimo), Bielefeld, <http://www.cor-lab.de>
- DLR Institute of Robotics and Mechatronics (Justin), Oberpfaffenhofen, <http://www.dlr.de/rm>
- NimbRo – Learning Humanoid Robots, Freiburg and Bonn, <http://www.NimbRo.net>

## Commercial Platforms

- Fujitsu HOAP-3: expensive humanoid with integrated PC, camera and microphone (28DOF)
- Aldebaran Nao: affordable autonomous humanoid for RoboCup Standard Platform League (25DOF)
- Robotis Bioloid: popular construction kit for research and education, based on configurable robot actuators (19DOF)
- Kondo KHR-2HV: popular humanoid robot kit, based on special robot servos (17DOF)

## Competitions

- RoboCup: soccer (Humanoid League), domestic applications (@home), dance (Junior)
- Robo-One: martial arts
- FIRA: HuroSot soccer
- Kyosho Athlete Humanoid Cup: race walking
- AAIL: human-robot interaction, semantic robot vision