

# Robotics 1 Videos

[http://www.diag.uniroma1.it/~deluca/rob1\\_en.php](http://www.diag.uniroma1.it/~deluca/rob1_en.php)

This is the list of videos shown in classroom (with approximate file sizes). Videos are grouped in folder.zip files, with the same numbering used for the lecture slides they refer to. For a correct visualization one needs QuickTime Player, VLC Media Player or Windows Media Player, with the proper codecs. Labeled in red are videos related to research (or educational) activities by members of the Robotics Laboratory at DIAG. Other videos of the DIAG Robotics group can be found on the Lab web page at [www.diag.uniroma1.it/labrob/research/research.html](http://www.diag.uniroma1.it/labrob/research/research.html) and/or on the YouTube Channel [www.youtube.com/user/RoboticsLabSapienza](http://www.youtube.com/user/RoboticsLabSapienza).

*Version: December 16, 2014*

<b>Folder/Slides (zipped size)</b>	<b>List of videos (unzipped size)</b>
00a (13.5M)	Avoiding joints limits.mp4 (5.1M) ICRA12_SNS.mp4 (4.3M) – video DIAG ICRA12.mp4 (4.3M) – video DIAG
00b (134.3M)	milad.mov (210.4M) – video DIAG
00c (46M)	LBR_Feature_-_Programming_by_Demonstration.mp4 LBR_iiwa_-_Examples_of_Programmed_Compliance.mp4 LBR_iiwa_-_Performance_and_Flexibility_via_Compliance.mp4 LBR_iiwa_-_Programmable_Compliance.mp4 LBR_iiwa_-_Teaching_by_Demonstration.mp4 LBR_iiwa_-_Teaching_Positions.mp4
01a (124.6M)	50YearsRoboticsMD.WMV (118.6M) LWR4_VREP.avi (17.5M) – video DIAG
01b (114.2M)	ABB_SafeMove_with_MultiMove.wmv (10M) ABB_FantaCanChallenge_Level2MotionControl.mp4 (5.5M) ABB_IRB7600_ShortCom.mov (2.9M) ABB_Laxa_Kunddagar_MultiMove_2005.mpg (13.5M) ABBFlexPicker.mpg (7.4M) ADAM_Marketing_Video.mp4 (5.9MB) Adami_Comau_DeburringCenter.flv (12.6M) Adept_Quattro_s650_PackagingChocolates.flv (12MB) Comau_6-axis.mp4 (1.9MB) Foster-Coll-Short.wmv (14.6M) HighSpeed_Adept_Cobrai600.flv (6.6M) Kawasaki_Formaggi.mpg (16.1M) PlasmaCutting_RobotCell.flv (21.2M)

02a (117M)	ASIMO.mov3-c.mov (4.1M) ASIMOWalking_backwards.mov (280K) CollisionDetectionDLRIII.mpg (2M) – video DIAG/DLR Justin.mp4 (49.3M) mars_rover_wheels.mov (5M) NAOPlaytime.mov (13.4M) Operating Microwave.avi (4.6M) Rotex_CatchObject (4K) SarcosTeleOpArm.mov (5.5M) SecondDance.MOV (32.7M) toulouse_hoap-3.mp4 (2.8M) Wiping Kitchen.avi (7.8M)
02b (98.9M)	3D One-Leg Hopper Robot.mp4 (288K) Adept robot in sausage packaging application.mp4 (2.2M) Canadarm2 Grapple of Spacelab Pallet.mp4 (3.4M) DARPA_BlueTeam_cut.mp4 (7.3M) DARPA_VWStanley.mp4 (8.9M) Dextrous Hand for the iCub.flv (0.9M) Helpmate_Hospital.mp4 (3M) HUSQVARNA AUTOMOWER_official.flv (6.7M) iRobot Roomba 560 official video demo.flv (8M) KUKA Ping Pong Robot.flv (2.4M) KUKA Weiss Bier.flv (2.9M) Planar Biped robot flip.mp4 (164K) Robots_on_ISS(esp).flv (24.2M) Robovolc_Etna_2003.avi (2.9M) Robovolc_TrackedRover_2003.avi (468K) SAUVIM_SD023_CableHooking_oct2006.flv (10.5M) UBC_Gavia_Laval_underwater.flv (2.9M) UBHand3Glove.avi (14M)
03 (11.4M)	Direct_Current_Electric_Motor.mp4 (0.9M) Epicycloidal_Gear_Train.mp4 (2.2M) Planetary_Gear_Set.mp4 (1,4M) Racks_and_Pinion.mp4 (0.4M) Strain_wave_gear_principle_Harmonic_Drive_AG.mp4 (8M)
04 (5.5M)	Fanuc_robot_accuracy_repeatability_test.mp4 (5.6M)
05 (60.9M)	2006-dionnet-APFR-AV3D-monocular.mpg (1.3M) 2009-IRISA_VisualServoing_JointLimits.avi (3.2M) ABB Assembly wForceControl.wmv (3.5M) FT for Surface Finishing.wmv (2.5M) How the Kinect Depth Sensor Works in 2 Minutes.mp4 (6M) ICRA08_VisServoing_Magellan.mp4 (7.9M) – video DIAG MovingPlate2.mp4 (1.9M) – video DIAG Nomad_NarrowPass.avi (8.7MB) – video DIAG RCC_ATI_demo.wmv (1.4M)

	RestToRest_OneLink.MPG (1M) – video DIAG SLAM_bruceton-one-loop.avi (1M) SLAM_GMapping_MIT 2005-07.mp4 (3.1M) Visual Tracking.avi (35.7M)
06 (39.4M)	ciclicitàMontaggio.mp4 (19.4M) – video DIAG discrete_time_velocity_control_design_R&AS.mp4 (4.1M) – video DIAG IPA_Garbage_FullyAutomatic.m4v (9.3M) – video DIAG IPA_Garbage_SemiAutomatic.m4v (3.7M) – video DIAG Magrini_inter2.mp4 (4.9M) – video DIAG
09 (25.7M)	DenavitHartenberg_Reference_Frame_Layout.mp4 (26.7M) Sankyo_SCARA.mp4 (0.5M)
10 (0.7M)	SelfMotion_Dexter.AVI (4.5M) – video DIAG
15 (3.7M)	Resolved_rate_algorithm.wmv (1.1M) – video DIAG discrete_time_velocity_control_design_R&AS.mp4 (4.1M)– video DIAG