



# ADL Festschrift

## a workshop in honor of Alessandro De Luca for his 60th birthday

9 January 2018

Aula Magna, DIAG, Sapienza University of Rome

Organizers: Leonardo Lanari, Giuseppe Oriolo, Marilena Vendittelli

15:00 Jean-Paul Laumond, LAAS-CNRS, Toulouse  
*From the rolling car to the rolling man*

15:15 Paolo Robuffo Giordano, CNRS at IRISA and Inria, Rennes  
*How I combined state estimation, passivity and trajectory optimization thanks to the ADLipedia*

15:30 Luigi Villani, Università di Napoli Federico II  
*Robot physical interaction control at the time of ADL residuals*

15:45 Stefano Stramigioli, University of Twente  
*Why energy in robotics?*

16:00 Claudio Melchiorri, Università di Bologna  
*On the feedback linearization of robots with variable joint stiffness ... and other stories*

16:15 Antonio Franchi, LAAS-CNRS, Toulouse  
*From Filippo's car to Antonio's drones*

16:30 *Coffee break*

16:45 Alin Albu-Schaeffer, DLR  
*Structure preserving control: reconciliation of passivity based and feedback linearization approaches*

17:00 Domenico Prattichizzo, Università di Siena  
*Augmenting the human sensorimotor system through robotic extra limbs and wearable interfaces*

17:15 Sami Haddadin, Leibniz University of Hannover  
*The De Luca guide to robot collision handling*

17:30 Andrea Cherubini, LIRMM, Montpellier  
*Perception to inter-action*

17:45 Stefano Chiaverini, Università di Cassino  
*Life is a matter of priorities*

18:00 Antonio Bicchi, Università di Pisa  
*Going soft with ADL*

18:15 Seth Hutchinson, Georgia Institute of Technology  
*The role of underactuated dynamics in flapping flight*

18:30 Paolo Rocco, Politecnico di Milano  
*Make it flexible, redundant, and safe: how the School of Rome influenced the robotics research in Milan*