ADL Festschrift

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

9 January 2018

Aula Magna, DIAG, Sapienza University of Rome

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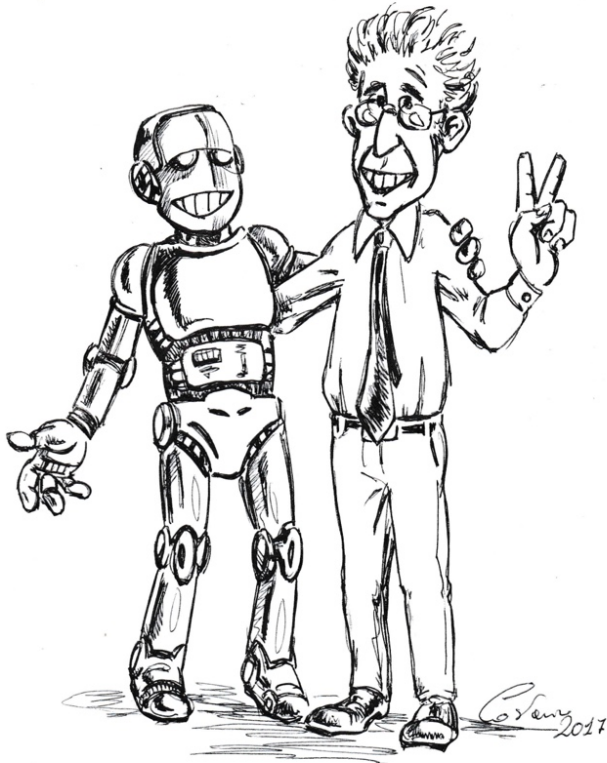Art by Costanzo Manes

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Organizers: L. Lanari, G. Oriolo, M. 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