Scheda Laboratori di Ricerca

Denominazione del Laboratorio	*Italiano* Laboratorio di Robotica *Inglese* Robotics Laboratory
Gruppo di Ricerca di Riferimento	*Italiano* Robotica e Meccatronica *Inglese* Robotics and Mechatronics
Descrizione sintetica delle attrezzature, della strumentazione e delle attività di ricerca	*Inglese* The research activities of the Vanvitelli Robotics Lab are mainly focused on: - Motion and interaction control of robot manipulators - Planning and control of manipulation tasks based on multimodal sensing (vision, tactile, proximity, inertial) - Control of physical human-robot interaction - Development of innovative sensors for advanced robotic systems Available Equipment - Collaborative robot Kuka LBR iiwa - Collaborative robot Franka Emika Panda - Collaborative dual-arm system Universal Robot UR-5 - Industrial robot Yaskawa Motoman SIA5F - Industrial grippers Weiss Robotics WSG50 and WSG32 4 force/torque sensors (ATI and Robotous) 4 RGB-D cameras 1 thermographic camera Optris PI450 1 3D camera Viper Rubedos 4 workstations i9 and i7 with GPU's (Titan V, RTX2080, GTX980)