Distributive Robotics			
Credits: 4 **Semester:** 3 **Compulsory:** No			
Format	Lectures: 30 h	Examples: 18 h	Private study: 102 h
Lectures: G. Casalino, A. Sgorbissa			

Objectives:

Different robotic agents can be employed for achieving a set of (possibly shared) objectives via the cooperative activities. Applications of this concept ranges from the employment of teams of autonomous sensorized vehicles for distributed exploration, patrolling, monitoring, surveying, etc., to cooperating multi-mobile manipulators (each one possibly multi-arm) employed for manipulating, transporting and assembling or dismantling, large structures within constructions, rescue operations, post-disaster intervention, etc.; with a recent tendency to be proposed also for the factory or yards environments. Aspects of cooperation can be even identified within complex modular articulated chains, whenever their composing parts are viewed as a set