

Parallel robots: theory and applications. EURON Winter School. (Spain) March 2007

	Sunday 25	Monday 26	Tuesday 27	Wednesday 28	Thursday 29	Friday 30
9:00		Introduction to PKM J.P. Merlet	Kinematic analysis J.P. Merlet	Bus trip to Miguel Hernandez University	Flagged parallel manipulators F. Thomas	MARS. PKM in telesurgery Alon Wolf
10:00		Mechanism design and morphologies J.P. Merlet	Dynamics of PKM R. Sinatra	Lab session 1 Multibody theory applied to CPR	PKM as climbing robot. GRMI-Disam	Pneumatic parallel robots Alon Wolf
11:00		Break	Break	Break	Break	Break
11:15		Lower mobility PKM O. Company	Performance indexes for PMAR O. Company	Lab session 2 Kinematic analysis of orientation Parallel Wrist with screw theory	PKM in underwater applications GRMI-Disam	Aerospace applications of PKM R. Sinatra
12:15		Students' presentation	Students' presentation		Students' presentation	<i>Panel discussion.</i> Future research directions
12:45		Lunch and siesta	Lunch and siesta	Lunch and siesta	Lunch and siesta	Lunch and siesta
15:00	Reception at the Flamingo Oasis Hotel	Spherical wrists I. Limb architectures and mobility analysis R. Di Gregorio	Control of parallel robots S. K. Agrawal	Lab session 3 Building and controlling PKM models with simulation package	Afternoon free and social events	
16:00 – 17:00		Spherical wrists II. Singularities and performance indexes R. Di Gregorio	Cable-driven parallel robots S. K. Agrawal			
		19.30-21.00 Welcome reception with cocktail				