

Selected paper for MUSME 2011 to send to “[MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES](#)” are

2	ROBOT TRAJECTORY PLANNING USING CUBIC B-SPLINES IN JOINT SPACE Werley Rocherter Borges Ferreira, João Carlos Mendes Carvalho
3	MECHATRONICS DEVELOPMENT AND DYNAMIC CONTROL OF A 3 DOF PARALLEL MANIPULATOR Marina Vallés, Miguel Díaz-Rodríguez, Ángel Valera , Vicente Mata and Álvaro Page
5	OMNIBOLA: A SPHERICAL ROBOT Mariano Jaimez, Juan A. Cabrera, Juan J. Castillo and Francisco García
7	MULTIBODY MODELLING OF A HIGH SPEED ROUTING SYSTEM FOR AUTOMATED LETTER HANDLING Pietro Fanghella and Andrea Sintich
16	AN EXPERIMENTAL VALIDATION OF COLLISION FREE TRAJECTORIES FOR PARALLEL MANIPULATORS G. Carbone , F. Gómez-Bravo and O. Selvi
24	FLEXIBLE PNEUMATIC ACTUATION FOR BLOOD PRESSURE RECOVERY Andrea Manuello Bertetto, Silvia Meili, Alberto Concu and Antonio Crisafulli
27	NUMBER SYNTHESIS OF METAMORPHIC MECHANISMS USING SUBGRAPH CONSTRAINTS Martín Pucheta, Agostino Butti, Valerio Tamellini, Alberto Cardona and Luca Ghezzi
29	OPTIMAL DIMENSIONAL SYNTHESIS OF LINKAGES USING EXACT JACOBIAN DETERMINATION IN SQP ALGORITHM Ramon Sancibrian, Ana de Juan, Angel Sedano, Pablo Garcia, Miguel Iglesias, Fernando Viadero and Alfonso Fernandez
30	ASSEMBLY MODE CHANGE OF SPHERICAL 3-RPR PARALLEL MANIPULATOR Mónica Urizar and Manfred L. Husty