

CONTENTS

- 3 An Experimental Test Validation of a New Planetary Transmission**
G. Balbayev, M. Ceccarelli and K. Ivanov
- 9 A Design and Simulation of an Articulated Leg for Hexapod Robots**
N.E. Nava Rodríguez, G. Carbone and M. Ceccarelli
- 23 Parametric Resonance in Cantilever Beam and Energy Harvesting Outlooks**
E. Bonisoli, M. Scapolan and M. Ghandchi Tehrani
- 31 Development of an Environmental Control System Pack Simulation Model
for a More Electric Aircraft**
P. Maggiore, M.D.L. Dalla Vedova, L. Pace, M. Tosetti and A. Piovano
- 37 MBSE Modelling Environment and Multi-Objective Optimization
of Thermal Control Strategies for Multifunctional Structures**
M. Cencetti, E. Zeminiani, P. Maggiore and M.D.L. Dalla Vedova
- 57 The Mechanism of Crack Initiation and Propagation
in Metallic Engineering Materials**
H. Van Thang
- 63 An Underactuated Finger for a Robotic Hand**
F. Penta, C. Rossi and S. Savino

next issue titles will be from the papers of:

RAAD 2014

23th International Workshop on Robotics in Alpe-Adria-Danube Region

Smolenice Castle, Slovakia

3 - 5 September 2014