

CONTENTS – Special Issue for RAAD 2014

- 3 Optimal Design of a New Spherical Parallel Manipulator Used as Master Device**
H. Saafi, M.A. Laribi, M. Arsicault, S. Zeghloul
- 11 An Underactuated Mechanical Hand: Theoretical Studies and Prototyping**
V. Niola, F. Penta, C. Rossi, S. Savino
- 21 Simulation and Construction of a MEMS CSFH Based Microgripper**
N.P. Belfiore, G.B. Broggiato, M. Verotti, M. Balucani, R. Crescenzi, A. Bagolini, P. Bellutti, M. Boscardin
- 31 Conversion of Peaucellier–Lipkin Straight-Line Mechanism to Compact Compliant Device**
J. Hricko
- 39 Separate Adjustment of Torque and Stiffness for Pneumatic Robot Actuators with Antagonistic Rotary Elastic Chambers**
D. Baiden, O. Ivlev

CONTENTS – Regular Issue

- 49 Safety and Logistics Performance Evaluation of a RFID System in a Blood Transfusion Centre**
G. Borelli, P.F. Orrù, F. Zedda
- 57 An Application of LARM Clutched Arm for Assisting Disabled People**
C. Copilusi, M. Ceccarelli
- 67 The Earlier Experiences of Photographic Measurements in Russia**
A. Vukolov, O. Egorova
- 73 Contribution to R.A.M.S Estimation in Early Design Phases of Unmanned Aerial Vehicles – UAVs**
R. Fusaro, S. Chiesa, S. Cresto Aleina, M. Fioriti
- 85 Predictive Control of Spatial Flexible Mechanisms**
E.S. Barjuei, A. Gasparetto