

## CONTENTS

**3 An Innovative Manufacturing System Introduces the Laser Flexibility  
in the Tailored Blanks Production**

*D. Appendino*

**9 Mechanical Failures of Flap Control Systems:  
Proposal of Advanced Monitoring Techniques**

*L. Borello and G. Villero*

**29 Data Fusion and Context Awareness in Autonomous Robotics**

*A. Vitko, M. Šavel, L. Jurišica and P. Hubinsky*

**41 Performance Analysis of Strain Gauges in Partial Configuration**

*R. Ricciu*

**47 A Grasp Force Control for a Moving Two-Finger Gripper**

*M. Ceccarelli, E. Ottaviano, G. Figliolini, A. Simón, D. Herrera and J. Cabrera*

***next number scheduled titles:***

Laser Hole Drilling

*D. Appendino*

2D and 3D Numerical Analysis of Flow in a Bi-directional Cavo-Pulmonary Anastomosis

*C. Delprete and R. Sesana*

Dynamic Models for Shimmy Analysis of Helicopter Landing Gear

*M. Grossini, E. Carrera and A. Abbà*

A Three-Dimensional Finite Element Analysis Of Spur Gears under Impact Loading

*L. Hongqi, X. Buqing, T. Jingwei and B. Picasso*

Buckling and Postbuckling Behavior of Anisotropic Rectangular Panels  
Under Linearly Varying Combined Loads

*G. Frulla*