

CONTENTS

<i>Kosoboutskyy P., Karkulovska M.</i> Suppression of interface impedance contrast in plane-parallel coatings.....	3
<i>Nevlyudov I., Yevsieiev V., Miliutina S., Bortnikova V.</i> Accelerometer parameters decomposition model for technological process design automation	11
<i>Lobur M., Kulpa M.</i> Design of a short-time energy saving tank for light weight electric transport vehicles	16
<i>Holovatyy A., Teslyuk V., Panchak R., Koshyrets S.</i> Mathematical modelling and simulation of the mechanical component of the fully differential capacitive mems accelerometer using matlab/simulink environment	20
<i>Tymoshchuk P., Shatnyi S.</i> A hardware implementation of neural circuit of maximal/minimal value discrete-time signal identification.....	27
<i>Lizanets D., Matviykyv O., Yurchak I.</i> Modeling of biological cells deformation in microfluidic systems	35
<i>Andriychuk M.</i> New solutions to a linear antenna synthesis problem according to the given amplitude pattern	42
<i>Ivantsiv R.-A., Khanas Yu.</i> Development of algorithm transformation matrices by their reduction.....	48
<i>Karkulovskyy B., Karkulovskyy V., Kryvyy R., Panchak R., Pauchok O.</i> Application of structural matrices for the simulation of mems devices	53
<i>Kvych Yu., Lohush D., Dupak B., Kolesnyk K.</i> Research on software for virtual guide	57
<i>Marikutsa U., Narushynska O., Medvid A.</i> Applying comsol multiphysics for research and development of capacitive pressure sensor	62
<i>Sokolovskyy Ya., Zdolbytskyy A., Krishtapovich V., Mokrytska O.</i> Mathematical simulation of hight-temperature drying of wood	66
<i>Jaworski N., Shmigelskyi P., Farmaga I.</i> Visualization of representative volume elements of composite materials cellular models based on three dimensional texturing.....	77
<i>Andrushchak N., Vasylyshyn B., Chornenkyy V.</i> Comparative analysis of algorithms for projected laser line identification and recognition for 3d scanning devices	84