

## CONTENTS

<b>01</b>	<b>Bui Duc Hung, Bui Minh Dinh, Dang Quoc Vuong</b> Performance improvement of IPM motors by change of rotor shapes-application to electric vehicles.	<b>1-10</b>
<b>02</b>	<b>Nguyen Ngoc Xuyen, Phan Huy Anh, Nguyen Le Cuong</b> A compact solution for ultra-light drone optical auto-detection and distance estimation using AI.	<b>11-21</b>
<b>03</b>	<b>Bui Tien Dat, Tran Quang Duc, Cung Thanh Long</b> Driving stress detection using physiological data with machine learning.	<b>22-29</b>
<b>04</b>	<b>Nguyen Thi Y Nhi, Le Thi Thanh Lieu, Nguyen Ngoc Khoa Truong, Nguyen Thi Hong Trang, Le Thi Ngoc Loan, Bui Van Hao</b> Photocatalytic activities of TiO <sub>2</sub> nanoparticles modified by nanoclusters of copper oxides prepared by atomic layer deposition.	<b>30-39</b>
<b>05</b>	<b>Mai Thi Ngoc Anh, Trinh Duc Thien, Nguyen Thi Minh Hong, Nguyen Dinh Lam</b> Fabrication of ZnO nanorods decorated Au nanoparticles by hydrothermal and magnetron sputter techniques.	<b>40-47</b>
<b>06</b>	<b>Nguyen Phuong Nam, Le Van Nhu</b> Correcting the effect of temperature on image quality of thermal imaging objectives by wavefront coding technique.	<b>48-58</b>
<b>07</b>	<b>Tran Thanh Huyen, Le Ba Dung</b> A method for incremental updating three-way decision with incomplete information system.	<b>59-71</b>
<b>08</b>	<b>Nguyen Dao Truong, Le Van Tuan, Doan Thi Bich Ngoc, Dang Duc Trinh</b> Proposing an efficient implementation method for exponentiation in digital signature scheme on ring $Z_n$ .	<b>72-81</b>
<b>09</b>	<b>Ho Thi Thu Thuy, Pham Hong Quan</b> A novel approach to optimize the estimated stability region via energy function for a class of nonlinear dynamical systems in technical models.	<b>82-94</b>
<b>10</b>	<b>Dinh Van Hien, Tran Ngoc Thanh</b> Prediction of material thickness on dome of geodesic wound orthotropic composite vessel.	<b>95-102</b>
<b>11</b>	<b>Le Xuan Hung, Trieu Quy Huy, Nguyen Van Cuong, Nguyen Manh Cuong, Luu Anh Tung, Nguyen Thanh Tu</b> Application of multi-criteria decision making technique in wire-cut EDM tool steel.	<b>103-109</b>
<b>12</b>	<b>Pham Van Hoa, Dang Viet Hung, Nguyen Nam Truong, Tran Hoai Nam</b> Generation of radio pseudo-target signals to evaluate some functions of electronic warfare complexes on ships.	<b>110-114</b>