

CONTENT

	Page
1. Sputtered ZnO Rods/Film Structure on Different Substrates.....	1
Van Tri Le, Phan Tan Sang Ho, Bao Quan Tran, Hoang Trung Huynh, Hai Dang Ngo, Thi Kim Hang Pham*	
<i>Ho Chi Minh City University of Technology and Education, Vietnam.</i>	
2. Electrical Properties of GaN/Ga ₂ O ₃ P-N Junction: A TCAD Study.....	7
Duyen-Thi Nguyen, Khanh Nguyen, Duc-Minh Truong, Huy-Binh Do*	
<i>Ho Chi Minh City University of Technology and Education, Vietnam</i>	
3. Preparation and Characterization of 1D, 2D, and 3D Shapes of Anisotropic Gold Nanoparticles.....	13
Trong Phat Huynh², Hoang Trung Huynh^{1*}, Duc Trung Vu¹, Dinh Tung Nguyen¹, Thai Gia Phu Pham¹, Thi Hong Tham Nguyen²	
¹ <i>Ho Chi Minh City University of Technology and Education, Vietnam</i>	
² <i>Research Laboratories of Saigon Hi-Tech Park, Vietnam</i>	
4. Influence of Growth Temperature on Morphological and Structural Properties of Sputtered- Zinc Oxide Nanorods.....	24
Bao Quan Tran, Hai Dang Ngo, Thi Kim Hang Pham*	
<i>Ho Chi Minh City University of Technology and Education, Vietnam</i>	
5. Impact of Cation Concentration on Graphene Oxide Properties Fabricated from Disposed Batteries.....	30
Dong-Nghi Le¹, Tien-Luat Nguyen¹, Phuong V Pham², Tuan-Huu Nguyen¹, Thuy-Hong-Lam Ngo¹, Thien-Trang Nguyen¹, Van-Cuong Pham¹, Anh-Vu Phan-Gia¹, Huy-Binh Do^{1*}	
¹ <i>Ho Chi Minh City University of Technology and Education, Vietnam</i>	
² <i>National Sun Yat-sen University, Taiwan</i>	
6. Free Vibration of the Magneto-Electro-Elastic Plates Resting on Elastic Foundation Using the Refined Plate Theory with Two Variables	38
L. T. Phong¹, T. Nguyen-Thanh^{2*}, N. A. Dat¹, T. T. Trien¹, P. T. Hung^{1,*}	
¹ <i>Ho Chi Minh City University of Technology and Education, Vietnam</i>	
² <i>Ho Chi Minh City University of Technology (HUTECH), Vietnam</i>	
7. Dynamic Analysis of Planar Mechanism in Numerical Methods	50
Thanh Nhan Phan	
<i>Ho Chi Minh City University of Technology and Education, Vietnam</i>	
8. Propose Theoretical Foundations for Analyzing the Dynamic Control and Optimizing the Structure of Multifunctional Carbon Fiber-Reinforced Material Plate Integrated Piezoelectric	59
Long Trieu Vo¹, Hoai Son Nguyen^{2*}, Nhut Phi Long Nguyen¹	
¹ <i>Ho Chi Minh City University of Technology and Education, Vietnam</i>	
² <i>Nguyen Tat Thanh University (NTTU), Ho Chi Minh City, Vietnam</i>	
9. Introduction to Algebraic Deformation Theory and The Case of k-Linear Categories.....	72
Van Hoang Dinh	
<i>Ho Chi Minh City University of Technology and Education, Vietnam</i>	
10. Develop an RS-485 Protocol for Arduino Boards Applied To Networked Real Time Control Systems	80
Dang Long Tran^{1*}, Truong Hoa Binh Nguyen¹, Nam Hoa Ho¹, Duy Anh Nguyen¹, Van Danh Tran², Minh Nhat Nguyen², Duc Chanh Tin Doan²	

¹*Ho Chi Minh City University of Technology, Vietnam National University Ho Chi Minh City, Vietnam*

²*Institute for Nanotechnology, Vietnam National University Ho Chi Minh City, Vietnam*

11. Continuous Improvement of Productivity and Quality with Applying Lean Six Sigma: A case study..... **90**
Minh Tai Le*, **Hoang Khang Lu**, **Kieu Thuy Hang Nguyen**
Ho Chi Minh City University of Technology and Education, Vietnam
12. Computer-Mediated Communication: Application to Vocational English Education **102**
Thi Quynh Nhu Ho
Hue Industrial College, Vietnam