## CONTENTS

1.	An Efficient Face Recognition System Based on Edge Processing Using GPUs	1
	Ha Xuan Nguyen <sup>1,*</sup> , Dong Nhu Hoang <sup>2</sup> , Hung Trung Nguyen <sup>2</sup> , Hai Ngo Minh <sup>2</sup> , Tuan Minh Dang <sup>2,3,4</sup>	
	<sup>1</sup> Hanoi University of Science and Technology, Ha Noi, Vietnam	
	<sup>2</sup> CMC Applied Technology Institute, CMC Corporation, Ha Noi, Vietnam	
	<sup>3</sup> CMC University, CMC Corporation, Ha Noi, Viet Nam	
	<sup>4</sup> Posts and Telecommunication Institute of Technology, Ha Noi, Vietnam	
2.	Solving Resource Allocation Problem in Wifi Network by Dantzig-Wolfe Decomposition Algorithm	9
	Ta Anh Son*, Nguyen Thi Thuy	
	Hanoi University of Science and Technology, Ha Noi, Vietnam	
3.	Credit Card Service Churn Prediction by Machine Learning Models	16
5.	Creat Card Service Churn Frederion by Machine Learning Models	10
	Tran Hoang Hai <sup>1,*</sup> , Vu Van Thieu <sup>1</sup> , Doan Minh Hieu <sup>2</sup>	
	<sup>1</sup> Hanoi University of Science and Technology, Ha Noi, Vietnam	
	<sup>2</sup> HUS High School for Gifted Students, Ha Noi, Vietnam	
4.	EDDS-Unet: An Encoder-Decoder Double Skip Connection Scheme for Skin Lesion Segmentation	23
	Thi-Thao Tran, Minh-Nhat Trinh, Nhu-Toan Nguyen, Van-Truong Pham $^{*}$	
	Hanoi University of Science and Technology, Ha Noi, Vietnam	
5.	Study of the Dynamics of Automated Guided Vehicle Using Mecanum Omnidirectional Wheel	31
	Tong Xuan Loc, Truong Dang Viet Thang, Ho Huu Hai <sup>*</sup>	
	Hanoi University of Science and Technology, Ha Noi, Vietnam	
6.	Fuzzy Observer-Based Control Design for Rotary Inverted Pendulum Using Takagi-Sugeno Model	42
	Nguyen Thi Van Anh, Dong Bao Trung, Phan Bao Ngoc, Dao $\mathit{Quy}$ Thinh $^*$	
	Hanoi University of Science and Technology, Ha Noi, Vietnam	
7.	Control of the Tower Crane Using Input Shaping-Sliding Mode Control	51
	Minh Duc Duong*, Minh Dung Le, Duy Long Le, Quy Thinh Dao	
	Hanoi University of Science and Technology, Ha Noi, Vietnam	
8.	An Agent-Based Model for Simulating the Interactions of Tigers, Leopards, and Wild Boars to Support Wildlife Conservation Planning	59
	Phung Anh Hung, Nguyen Duc Hung, Nguyen Phuong Thuy*	

Hanoi University of Science and Technology, Ha Noi, Vietnam