

Section on
Computer Science and Control Engineering

Editorial Head

Do Viet Binh Institute of Information Technology, *AMST*.

Topical Editors

Nguyen Thanh Thuy University of Engineering and Technology, *VNU*;
Pham The Long Le Quy Don Technical University;
Nguyen Long Giang Institute of Information Technology, *VAST*;
Nguyen Chi Thanh Institute of Information Technology, *AMST*;
Nguyen Doan Cuong Institute of Information Technology, *AMST*;
Nguyen Duc Dung Institute of Information Technology, *VAST*;
Ngo Thanh Long Faculty of Information Technology, *LQDTU*;
Nguyen Quang Vinh Institute of Missile, *AMST*;
Tran Ngoc Binh Institute of Military Automation Engineering, *AMST*;
Nguyen Ngoc Hoa University of Engineering and Technology, *VNU*;
Ta Minh Thanh Faculty of Information Technology, *LQDTU*;
Nguyen Quang Hung Institute of Military Automation Engineering, *AMST*;
Tran Duc Thuan Academy of Military Science and Technology;
Nguyen Hieu Minh Institute of Cryptography Science and Technology;
Thai Trung Kien Institute of Information Technology, *AMST*;
Pham Van Nha Institute of Information Technology, *AMST*;
Tran Trung Kien Institute of Information Technology, *AMST*;
Nguyen Long Department of Information Technology, *NDA*.

Secretarial Staff

Phung Nhu Hai Institute of Information Technology, *AMST*;
Doan Van Hoa Institute of Information Technology, *AMST*;
Ngo Duy Do Institute of Information Technology, *AMST*;

Contact Information

Email: csce@jmst.info
Phone: 0343706971

TABLE OF CONTENTS

01	Tran Binh Minh, Nguyen Long, Thai Trung Kien An adaptive reference point technique to improve the quality of decomposition based multi-objective evolutionary algorithm.	3 - 14
02	Luu Hong Dung, Nguyen Vinh Thai, Nguyen Kim Thanh, Pham Van Hiep A method for constructing public - key block cipher schemes based on discrete logarithm problem.	15 - 26
03	Vasco Arone Mazibuco, Nguyen Phuong Nhung, Nguyen Tuan Linh Fault detection in wireless sensor networks with deep neural networks.	27 - 36
04	Mac Van Vien AI-assisted synchronization of maps from 2D to 3D: method and application.	37 - 48
05	Nong Phuong Trang, Luu Hong Dung A type of public - key block cipher algorithm.	49 - 59
06	Nguyen Huy Liem, Le Anh, Pham Hoang Hung, Mac Quynh Nhu Research and implementation of virtual reality technology to build 3D application that simulates the disassembly and assembly of equipment and weapons (DASim).	60 - 70
07	Pham Khac Hoan, Nguyen Tien Thai, Lai Tien De, Vu Son Ha The hybrid method for finding the roots of a polynomial over finite fields based on affine expansion.	71 - 80
08	Doan Trung Thanh, Vu Hai Lang, Tran Quang Giang, Bach Nhat Hoang Research on developing an adaptive algorithm for enhancing the quality of underwater positioning based on the sonar USBL principle.	81 - 89
09	Nguyen Kim Tuan, Nguyen Thi Thu Thuy, Luu Xuan Van, Luu Hong Dung Constructing digital signature scheme based on the new hard problem on the elliptic curve.	90 - 97
10	Nguyen Huu Noi, Doan Van Hoa, Tran Nguyen Ngoc A deep learning approach combining autoencoder with supervised classifiers for IoT anomaly detection.	98 - 110
11	Nguyen Sach Thanh, Le Ngoc Sang, Le Minh Hang, Pham Duy Thai, Ngo Minh Phuong The constructing of a solution for quick test firing at the ground artillery company.	111 - 121
12	Le Thi Thu Hong, Le Huu Nhung, Ngo Toan Thang, Doan Quang Tu, Nguyen Sinh Huy, Nguyen Duc Hanh, Trinh Tien Luong, Ngo Duy Do, Le Anh Dung Real-time detection of colon polyps during colonoscopy using YOLOv7.	122 - 134