



Table of Contents

Preface	ii
An Analysis of Uplink Success Probability in Multi-cell LoRa Networks Under Different Channel Models	1
<i>Tien Hoa Nguyen, Van Dai Do</i>	
Anomaly Detection Using Prediction Error with Spatio-Temporal Convolutional LSTM.....	7
<i>Hanh T. M. Tran, David Hogg</i>	
Applying Neural Network And Levenberg - Marquardt Algorithm for Load Forecasting in IA-Grai District, Gia Lai Province.....	13
<i>Quang Huy Giap, Dang Luu Nguyen, Thi Thanh Quynh Nguyen, Thi Minh Dung Tran</i>	
DOA Estimation Based on LSTM Neural Network with Uniform Linear Antenna Array	19
<i>Thanh Han Trong, Nam Ngo Duc, Hung Tran Van</i>	
Ensemble of Convolution Neural Networks for Improving Automatic Modulation Classification Performance.....	25
<i>Ha-Khanh Le, Van-Sang Doan, Van-Phuc Hoang</i>	
Improve Job Experiences Prediction with Attention Mechanism.....	33
<i>Truong Dinh Thien, Ton Quang Hoang Nguyen</i>	
Lightweight Models for Face Mask Detection And Face Recognition.....	38
<i>Tien Ho-Phuoc, Hanh T. M. Tran, Duc Hoang Xuan, Tuan Dao-Duy, Hoang Le Uyen Thuc</i>	
On The Optimization of Weighted Sum Rate for Mimo Broascast Channels	44
<i>Vien Nguyen-Duy-Nhat, Mai T. P. Le, Hung Nguyen-Le</i>	
Optical Mode Cross-Connect Using Multimode Interference Mmi Based On Silicon Material	52
<i>Ho Duc Tam Linh, Vo Duy Phuc, Nguyen Quang Viet, Nguyen Duc Hien, Nguyen Tan Hung</i>	
Research on a Sugeno Fuzzy Logic Controller Compared to a Mamdani-Based PI-Type Fuzzy Logic Inference Model.....	57
<i>Nguyen Tri, Nguyen Ngoc Khoa</i>	
Superposition Principle-based Method for Power Loss Allocation in Power Systems	63
<i>Duong Duy Long, Nguyen Tuan Anh, Pham Nang Van</i>	
Using a Bi-Level Optimization Model for Assessing the Impact of Demand Forecast Uncertainty on the Maximum Profit of Power Distribution Companies Owning Energy Storage Systems	69
<i>Dang Vu Kien, Le Thi Minh Chau, Pham Quang Phuong, Pham Nang Van</i>	

