

TABLE OF CONTENTS

MESSAGE FROM THE GENERAL CHAIRS	I
COMMITTEES	II
INDUSTRY WORKSHOP	1
KEYNOTES.....	2
AN EFFICIENT APPROACH TO MEASURE THE DIFFICULTY DEGREE OF PRACTICAL PROGRAMMING EXERCISES BASED ON STUDENT PERFORMANCES	4
HUY TRAN, TIEN VU VAN, HOANG NGUYEN VIET, DUY TRAN NGOC BAO, THINH TIEN NGUYEN, AND THANH VAN LE.....	4
INFECTIOUS DISEASE SCREENING SYSTEM USING MEDICAL RADAR AND DATA QUALITY ASSESSMENT BY EFFICIENT NEURAL NETWORK HARDWARE	5
DUC-THO MAI, KOKI KUMAGAI, GUANGHAO SUN AND KOICHIRO ISHIBASHI	5
GENERATING WEBSITE CODES FROM IMAGES.....	6
LAI NGUYEN HA MY, HUYNH NGOC THIEN, AND NGUYEN DUC DUNG	6
AN EFFICIENT HARDWARE IMPLEMENTATION OF CONVOLUTIONAL NEURAL NETWORK IN DETECT BREAST CANCER HISTOPATHOLOGY IMAGE.....	7
VO TAN PHAT, AND HOANG TRANG	7
A MULTITASK DATA-DRIVEN MODEL FOR BATTERY REMAINING USEFUL LIFE PREDICTION.....	8
THIEN PHAM, LOI TRUONG, MAO NGUYEN, ANH BUI, DANG NGUYEN, DAT NGUYEN, AKHIL GARG, LIANG GAO, AND THO QUAN	8
NEIGHBORHOOD SEARCH FOR SOLVING PERSONAL SCHEDULING PROBLEM IN AVAILABLE TIME WINDOWS WITH SPLIT-MIN AND DEADLINE CONSTRAINTS.....	9
TRANG HONG SON, TRAN VAN LANG, AND NGUYEN HUYNH-TUONG	9
AN FPGA-BASED CONVOLUTION IP CORE FOR DEEP NEURAL NETWORKS ACCELERATION ...	10
XUAN-QUANG NGUYEN, AND CUONG PHAM-QUOC	10

PGN-LM MODEL AND FORCING-SEQ2SEQ MODEL: MULTIPLE AUTOMATIC MODELS OF TITLE GENERATION FOR NATURAL TEXT USING DEEP LEARNING	11
NHAN TO, THUAN NGUYEN THI HIEP, AND THO QUAN THANH.....	11
ENHANCING SECURITY AND ROBUSTNESS FOR SDN-ENABLED CLOUD NETWORKS	12
LONG TAN LE, AND TRAN NGOC THINH.....	12
UNBIASED PAIRWISE APPROACH TOWARD LEARNING-TO-RANK: AN EMPIRICAL STUDY	13
SON THANH LE, HA MANH TRAN, QUANG DUY NGUYEN, AND SINH VAN NGUYEN	13
REAL-TIME FACE DETECTION AND HUMAN TRACKING SYSTEM ON FPGA CYCLONE-V	14
HUU LUONG NGUYEN, MINH SON NGUYEN, AND TRI NHUT DO	14
TWO-PHASE DEFECT DETECTION USING CLUSTERING AND CLASSIFICATION METHODS	15
HA MANH TRAN, TUAN ANH NGUYEN, SON THANH LE, GIANG VU TRUONG HUYNH, AND TUAN BAO LAM.....	15