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Technical Program Contents

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Dr. Aung Win, Rector of University of Technology (Yatanarpon Cyber City) i The 1st URCSE Steering Committee ii The 1st URCSE Editorial Board iii The 1st URCSE Technical Program Committee vi **Invited Talks:** Keynote Speaker I: Emerging Concern of IoT Security vii Professor Hisato Shima (Kobe Institute of Computing, Japan) Keynote Speaker II: Weighted Finite State Transducer based Spelling Checker for Myanmar Language (Burmese) viii Professor Ye Kyaw Thu (Language & Semantic Technology Research Team), Artificial Intelligence Research Unit (AINRU), National Electronic & Computer Technology Center (NECTEC), Thailand. Keynote Speaker III: The Things Network: A Community Network for IoT X Professor Marco Zennaro (Kobe Institute of Computing, Japan) **Session I: Information Science and Technology** Convolutional Neural Networks for Isolated Word Speech Recognition 1-6 Wityi Mon and Phyu Phyu Tar Detecting DDoS Attacks In IoT Sensor Network 7-12 Ngu Wah Kyaw and Nandar Win Min Kitchen Utensil Recognition for Vision Based Domestic Service Robot 13-18 Thuzar Tint and Tin Myint Naing 19-24 Forensics Analysis of Mobile Financial Applications Used in Myanmar Htar Htar Lwin and Wai Phyo Aung Session II: Computer Engineering, IOT & Embedded System Performance Evaluation of Intensity Channel Based Multi-Scale Retinex Algorithm Using CUDA 25-30 Kyi Myo Zaw and Aye Min Myat A New Method To Hide Encrypted Data In QR Code Using Modified Blowfish Algorithm 31-35 Kyaw Thant Hla, Myo Min Hein and Htin Kyaw Roles of Intrusion Detection System and Machine Learning Techniques for Internet of Things (IOT) 36-43 Phyu Thi Htun and Kyaw Thet Khaing

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