



The 1st International Conference on Advanced Information Technologies Program Agenda

Day 1, Wednesday, 1st November, 2017

Venue: Main Hall, MICT Park	
8:30 am - 9:00 am	Conference Registration
9:00 am - 9:10 am	Opening Speech by the Union Minister
9:10 am - 9:20 am	Welcome Speech by the UIT Rector
9:20 am - 10:05 am	Keynote Presentation Prof. Yoichi Shinoda, School of Information Science, Security and Networks Area, Japan Advanced Institute of Science and Technology
10:05 am - 10:20 am	Coffee Break
10:20 am - 11:05 am	Keynote Presentation Emerging Challenges in Software Dependability under Uncertain World Prof. Fuyuki Ishikawa, National Institute of Informatics, Japan

Parallel Session: 11:05 am - 12:20 pm	
Theme: Networking Venue: Main Hall Session Chair: Prof. Myat Thida Mon	Theme: Cloud Computing & Big Data Venue: Room 205 Session Chair: Prof. Sabai Phyu
Stateful Firewall Application on Software Defined Networking Nan Haymarn Oo, Aung Htein Maw	Performance Analysis of a Scalable Naïve Bayes Classifier on Beyond MapReduce Myat Cho Mon Oo, Thandar Thein
Delay Controlled Elephant Flow Rerouting in Software Defined Network Hnin Thiri Zaw , Aung Htein Maw	Dynamic Replication Management Scheme for Cloud Storage May Phyo Thu, Khine Moe Nwe, Kyar Nyo Aye
Bandwidth Allocation Scheme using Segment Routing on Software-Defined Network Ohmmar Min Mon, Myat Thida Mon	Analytics of Reliability for Real-Time Big Data Pipeline Architecture Thandar Aung, Aung Htein Maw
12:20 pm - 1:10 pm	Lunch

Parallel Session: 1:10 pm - 2:00 pm

Theme: Software Engineering
Venue: Main Hall
Session Chair: Prof. Shiro Tamaki

Theme: Security
Venue: Room 205
Session Chair: Prof. Thandar Thein

Defining a Software Engineering Process with Cost-effective Security Requirements Implementation
Swe Zin Hlaing, Koichiro Ochimizu

An Analysis of Decision Tree Based Intrusion Detection System
Yi Yi Aung, Myat Myat Min

A Lightweight Size Estimation Approach for Embedded System using COSMIC Functional Size Measurement
Thandar Zaw, Swe Zin Hlaing
Myint Myint Lwin, Koichiro Ochimizu

Forensic Analysis of Residual Artifacts on CDH Storage
Myat Nandar Oo, Thandar Thein

Parallel Session: 2:00 pm - 3:15 pm

Theme: Image and Signal Processing
Venue: Main Hall
Session Chair: Prof. Moe Pwint

Theme: Mobile and Distributed Computing
Venue: Room 205
Session Chair: Prof. Yutaka Ohsawa

Lane Detection System based on Hough Transform with Retinex Algorithm
Shwe Yee Win, Htar Htar Lwin

The Home Safety System Based on Competing Functions
Zaw Myint Naing Oo, Khin Kyawt Kyawt Khaing

Sparse Representation for Paddy Plants Nutrient Deficiency Tracking System
Zar Zar Tun, Khin Htar Nwe

Range Tree Based Indexing of Mobile Tracking System
Thu Thu Zan, Sabai Phyu

Data Compression Strategy for Reference-Free Sequencing FASTQ Data
Hsu Mon Lei Aung, Swe Zin Hlaing

Automatic Adjustment of Read Consistency Level of Distributed Key-value Storage by a Replica Selection Approach
Thazin Nwe, Tin Tin Yee, Myat Pwint Phyu, Ei Chaw Htoon, Junya Nakamura

3:15 pm - 3:25 pm

Coffee Break

Parallel Session: 3:25 pm - 5:05 pm

Theme: Natural Language Processing
Venue: Main Hall
Session Chair: Prof. Khin Mar Soe

Theme: Data Science
Venue: Room 205
Session Chair: Prof. Khin Malar Tun

Domain-specific Sentiment Dictionary Construction for Sentiment Classification
Aye Aye Mar, Nyein Thwet Thwet Aung, Su Su Htay

Uniformly Integrated Database Approach for Heterogenous Databases
Hlaing Phyu Phyu Mon, Thin Thin San, Zinmar Naing, Thandar Swe

Domain-Specific Sentiment Lexicon for Classification
Thet Thet Zin, Kay Thi Yar, Su Su Htay, Khine Khine Htwe, Nyein Thwet Thwet Aung, Win Win Thant

Analysis of Historical Census Household data with Similarity Threshold Method
Khin Su Mon Myint, Thet Thet Zin, Kyaw May Oo

Feature Selection for Categorization of Online News Articles in Myanmar Language
Myat Sapal Phyu, Win Win Thant, Thet Thet Zin

Multidimensional Analysis for Census Data by Applying Star Schema Model
Myint Myint Thein, Myint Myint Lwin, Aye Chan Mon, May Thu Aung

Mining Web Content Outliers by using Term Weighting Technique and Rank Correlation Coefficient Approach
Thinzar Tun, Khin Mo Mo Tun

Optimum Checkpoint Interval for MapReduce Fault-Tolerance
Naychi Nway Nway, Julia Myint

Cloud Based Big Data Application of FP-Growth Algorithm and K-Means Clustering Algorithm Based on MapReduce Hadoop
Than Htike Aung, Nang Saing Moon Kham

6:30 pm - 8:00 pm

Dinner at Hotel Yangon

Day 2, Thursday, 2nd November, 2017

Venue: Main Hall, MICT Park	
8:30 am - 9:00 am Workshop Registration	
Workshop Presentation	
Parallel Session : 9:00 am - 10:15 am	
Theme: Cloud and Distributed Computing Venue: Main Hall Session Chair: Prof. Khine Moe Nwe	Theme: Image Processing Venue: Room 205 Session Chair: Prof. Takashi Komuro
An Approach of Accessing Small Files on HDFS for Cloud Storage Khin Su Su Wai	Land Use Classification using Deep Convolutional Neural Network Su Wai Tun
Resource-based Data Placement Strategy for Hadoop Distributed File System Nang Kham Soe	Evaluation of Face Recognition Techniques for Facial Expression Analysis Hla Myat Maw
Parallel PAM Clustering Algorithm for Learning Analytics Nway Yu Aung	RFSgIndex: Frequent Subgraph Index for Subgraph Matching in RDF Data Khin Myat Kyu
10:15 am - 10:30 am	Coffee Break
Parallel Session : 10: 30 am - 11:45 am	10:30 am - 12:10 pm
Theme: Cloud Computing Venue: Main Hall Session Chair: Prof. Ei Ei Hlaing	Theme: Information Retrieval Venue: Room 205 Session Chair: Prof. Nang Saing Moon Kham
An Integrative Access Control with an Attributes-based Event Handler for Data Protection in Cloud Storage Phyo Wah Wah Myint	A Functional Resonance Analysis Method to risk analysis of functional flood defenses in Yangon Kyi Pyar Hlaing
Availability Modelling for SDN switch in Cloud based Infrastructure May Thae Naing	Feature Extraction Method for Aspect-Based Sentiment Analysis Win Lei Kay Khine
Computation Offloading Decision in Mobile Cloud Computing: Enhance Battery Life of Mobile Device Mi Swe Zar Thu	A Personalized Recommendation System Using Collaborative Filtering With Feature Based Sentiment Analysis Nyein Ei Ei Kyaw
	Efficient Classification of Concept Drift in Data Stream Ei Thwe Khaing