

## Program Schedule

| Thursday 13 <sup>th</sup> May 2021 |  |
|------------------------------------|--|
| 08:30 – 09:00                      | Starting Virtual Conference System   |
| 09:00 – 09:15                      | Report by <b>Assistant Professor Dr. Dr.-Ing.Sunantha Sodsee</b> ,<br><i>Dean, Faculty of Information Technology and Digital Innovation<br/>King Mongkut's University of Technology North Bangkok</i>  |
| 09:15 – 09:30                      | Opening Ceremony by <b>Prof. Dr. -Ing. habil. Suchart Siengchin</b> ,<br><i>President of King Mongkut's University of Technology North Bangkok</i>   |
| 09:30 – 10:15                      | Invited Keynote Speech by: <b>Dr. Phongsatorn SAISUTJARIT</b> , <ul style="list-style-type: none"><li>• Department of Mechanical and Aerospace Engineering, Faculty of Engineering,<br/>King Mongkut's University of Technology North Bangkok.</li></ul> |
| 10:15 – 11:00                      | Invited Keynote Speech by: <b>Professor Dr. Dr. Wolfgang A. Halang</b> , <ul style="list-style-type: none"><li>• Faculty of Mathematics and Computer Science, FernUniversität in Hagen,<br/>Germany.</li></ul>   |
| 11:00 – 11:45                      | Invited Keynote Speech by: <b>Dr. Leisa Armstrong (Senior Lecturer)</b> , <ul style="list-style-type: none"><li>• School of Science, Edith Cowan University, Australia</li></ul>   |
| 12:00 – 13:00                      | <i>Lunch</i>   |
| 13:00 – 18:00                      | <b>Paper Presentation</b>  |

**Thursday 13<sup>th</sup> May 2021****Room I**

|                               |   |
|-------------------------------|---|
| 13:00 – 13:20<br>IC2IT2021-29 | <b>Intelligent Fruit Recognition System Using Deep Learning</b><br><i>Ha Huy Cuong Nguyen, Anh Tuan Luong, Trung Hai Trinh, Pha Hieu Ho, Phayung Meesad and Thanh Thuy Nguyen</i>     |
| 13:20 – 13:40<br>IC2IT2021-44 | <b>English-Vietnamese Machine Translation using Deep Learning</b><br><i>Tuan Nguyen Minh, Phayung Meesad and Huy Cuong Nguyen Ha</i>  |
| 13:40 – 14:00<br>IC2IT2021-26 | <b>Abusive Language and Hate Speech Detection for Indonesian-Local Language in Social Media Text</b><br><i>Shofianina Dwi Ananda Putri, M. Okky Ibrohim, and Indra Budi</i>           |
| 14:00 – 14:20<br>IC2IT2021-46 | <b>Graph NLU Enabled Question Answering System</b><br><i>Sandeep Varma, Ajay Ramkrishnan, Shivam Shivam, Sarun Natarajan, Snigdha Biswas, and Anukriti Anukriti</i>                   |
| 14:20 – 14:40<br>IC2IT2021-57 | <b>Development of Physical and Mental Support System Using Communication Robot for Isolated COVID-19 Patients</b><br><i>Hiro Kuwahara1, Aiko Mieno, Tae Yamaguchi and Kazuo Hemmi</i> |
| 14:40 – 15:00<br>IC2IT2021-20 | <b>Intelligent Interface for Blind Users to Perform Collaborative Activities</b><br><i>Rabeeya S., M. M. Waqar, Muhammad Aslam, Martinez-Enriquez A. M., and Samyan Q. W.</i>         |
| 15:00 – 15:20                 | <i>Break</i>  |
| 15:20 – 15:40<br>IC2IT2021-06 | <b>A Cloud Based Knowledge Sharing System for Traditional Medicines</b><br><i>Madiha Naz, Talha Waheed, Muhammad Aslam and Martinez-Enriquez A.M</i>                                  |
| 15:40 – 16:00<br>IC2IT2021-10 | <b>On the Utility of Combining Topic Models and Recurrent Neural Networks</b><br><i>Justin Wood, Bohan Li, Jae Lee, Corey Arnold, and Wei Wang</i>                                    |
| 16:00 – 16:20<br>IC2IT2021-40 | <b>ADGAS: An Advanced Data Generation for Anomalous Signals</b><br><i>Thasorn Chalongvorachai and Kuntpong Woraratpanya</i>   |
| 16:20 – 16:40<br>IC2IT2021-42 | <b>A Unified Framework for Saliency Segmentation</b><br><i>Donyarut Kakanopas and Kuntpong Woraratpanya</i>   |
| 16:40 – 17:00<br>IC2IT2021-14 | <b>Enhanced Hydrozoan Algorithm with Local Searches for Job-shop Scheduling Problems</b><br><i>Daranat Tansui and Arit Thammano</i>   |
| 17:00 – 17:20<br>IC2IT2021-58 | <b>Intelligent Triage Assistant</b><br><i>Wannarat Duangdee and Pattarachai Lalitrojwong</i>  |
| 17:20 – 17:40<br>IC2IT2021-25 | <b>Integration of MANET with In-Band SDN Controller</b><br><i>Thananop Thongthavorn and Sumet Prabhavat</i>   |
|                               | <i>End Session</i>  |

**Friday 14<sup>th</sup> May 2021**

|               |                           |
|---------------|---------------------------|
| 09:00 – 10:20 | <b>Paper Presentation</b> |
| 10:20 – 10:40 | <i>Break</i>              |
| 10:40 – 12:00 | <b>Paper Presentation</b> |
| 12:00 – 13:00 | <i>Lunch</i>              |
| 13:00 – 15:00 | <b>Paper Presentation</b> |
| 15:00 – 15:20 | <i>Break</i>              |
| 15:20 – 17:00 | <b>Paper Presentation</b> |

Friday 14<sup>th</sup> May 2021

Room I

|                               |   |
|-------------------------------|---|
| 09:00 – 09:20<br>IC2IT2021-50 | <b>DB2SM: An Efficient Resampling Technique for Imbalanced Data Classification</b><br><i>Pharnuphon Jiraamphorn and Eakasit Pacharawongsakda</i>  |
| 09:20 – 09:40<br>IC2IT2021-28 | <b>Design and Development of A Dynamic and Efficient PII Data Loss Prevention System</b><br><i>Somchart Fugkeaw, Khanadech Worapaluk, Atiwit Tuekla and Supakorn Namkeatsakul</i>             |
| 09:40 – 10:00<br>IC2IT2021-24 | <b>Herb Suggestion Model for Treat Disease by Symptoms Using Decision Tree Techniques</b><br><i>Chumpol Mokrat and Vipa Thananant</i>   |
| 10:00 – 10:20<br>IC2IT2021-17 | <b>Enhancing Forex Rates Prediction with Machine Learning on EUR to USD with Moving Average Methods and Financial Factors</b><br><i>Orawan Chantarakasemchit and Siranee Nuchitprasitchai</i> |
| 10:20 – 10:40                 | <i>Break</i>  |
| 10.40 – 11:00<br>IC2IT2021-15 | <b>A Recommendation Model Based on User Behaviors on Commercial Websites Using TF-IDF, KMeans, and Apriori Algorithms</b><br><i>Piyanuch Chaipornkaew and Thepparit Banditwattanawong</i>     |
| 11:00 – 11:20<br>IC2IT2021-06 | <b>Detection of Depression-positive Thai Facebook Users using Posts and Their Usage Behavior</b><br><i>Siranuch Hemtanon, Saifon Aekwarangkoon and Nichnan Kittiphattanabawon</i>             |
| 11:20 – 11:40<br>IC2IT2021-41 | <b>Natural Language Processing with "More Than Words – BERT"</b><br><i>Saranlita Chotirat and Phayung Meesad</i>  |
| 11:40 – 12:00<br>IC2IT2021-38 | <b>Automatically Retrieving of Software Specification Requirements Related to Each Actor</b><br><i>Jantima Polpinij and Khanista Namee</i>  |
| 12:00 – 13:00                 | <i>Lunch</i>  |

| Friday 14 <sup>th</sup> May 2021 |  |
|----------------------------------|--|
| Room I                           |  |
| 13:00 – 13:20<br>IC2IT2021-52    | <b>Reservoir Inflow Time Series Forecasting Using Regression Model with Climate Indices</b><br><i>Jakkarin Weekaew, Pakorn Ditthakit, Nichnan Kittiphattanabawon</i>   |
| 13:20 – 13:40<br>IC2IT2021-01    | <b>Object Detection with Convolution Neural Networks and Custom-SmallerVGGNet</b><br><i>Quang Nhat Tran and Siranee Nuchitprasitchai</i>   |
| 13:40 – 14:00<br>IC2IT2021-55    | <b>HFMD Skin Rash Detection Using Convolution Neural Network</b><br><i>Naqibullah Vakili, Nipat Phattarakijtham, Jonathan H. Chan and Worarat Krathu</i>   |
| 14:00 – 14:20<br>IC2IT2021-51    | <b>Comparative Study Considering Garbage Classification using In-Depth Learning Techniques</b><br><i>Nittaya Muangnak, Chaiwat Sirawattananon, Meet Ganpatlal Oza and Rathanit Sukthanapirat</i>                       |
| 14:20 – 14:40<br>IC2IT2021-45    | <b>A Sequenced Edge Grid Image Technique for Sign Language Recognition</b><br><i>Supathep Satiman and Phayung Meesad</i>   |
| 14:40 – 15:00<br>IC2IT2021-31    | <b>Integrating Graph-based Document Recommendation in Digital Libraries of Theses Collection</b><br><i>Piyaboot Panyadee and Ratsameetip Wita</i>  |
| 15:00 – 15:20                    | <i>Break</i>   |
| 15:20 – 15:40<br>IC2IT2021-32    | <b>Modeling of Aluminum Profile Extrusion Yield: Online Billet Cutting</b><br><i>Jaramporn Hassamontr and Theera Leephaicharoen</i>  |
| 15:40 – 16:00<br>IC2IT2021-12    | <b>Model Predictive Control of a Fed-batch Enzymatic Hydrolysis Reactor for Processing Lignocellulosic Feedstock</b><br><i>Sukunya Areeya and Malinee Sriariyanun</i>  |
| 16:00-16:20<br>IC2IT2021-11      | <b>Split-Match-Merge Method with Multi-matcher Algorithm to Handle Data Interoperability Problems in Small Farm Management Information System</b><br><i>Henriyadi, Vatcharaporn Esichaikul and Chutiporn Anutariya</i> |
| 16:20-16:40<br>IC2IT2021-30      | <b>An Analytical Review of Data Access Control Schemes in Mobile Cloud Computing</b><br><i>Pattavee Sanchol and Somchart Fugkeaw</i>   |
|                                  | <i>End Session</i>   |

**Note: All conference kits will be sent to all presenters via post mail**