



The 1st International Workshop on Recent Advances in Machine Learning,  
Data Science, Intelligent Systems & Networking

## MaDaIN2020 Program

TIME (GMT +00:00)	Track 1	Track 2
<p><b>December 5<sup>th</sup>, 2020 (Saturday)</b> University of Science and Technology – The University of Danang, Danang, Vietnam</p>		
<p>7:00 – 7:05 <i>(Local time: 14:00–14:05)</i></p>	<p><b>Opening Ceremony</b> <i>Assoc. Prof. Nguyen Tan Khoi</i> <i>University of Science and Technology – The University of Danang, Danang, Vietnam</i></p>	
<p>7:05 – 7:10 <i>(Local time: 14:05–14:10)</i></p>	<p><b>Introduction about DUT &amp; International Cooperation</b></p>	
<p>7:10 – 7:40 <i>(Local time: 14:10–14:40)</i></p>	<p><b>Keynote Speaker</b> <i>“Developing the Kemeny’s Weighted Median for the Rank Aggregation Problem”</i> Prof. Sergey D. Dvoenko Tula State University, Russia</p>	
<p>7:40 – 8:10 <i>(Local time: 14:40–15:10)</i></p>	<p><b>Keynote Speaker</b> <i>“Blockchain, Internet of Things and Digital Twins for Trustless Security of Critical National Infrastructure”</i> Prof. Mohammad Hammoudeh Manchester Metropolitan University, England</p>	

8:10 – 8:20 <i>(Local time: 15:10–15:20)</i>	<b>Coffee Break</b>	
8:20 – 10:20 <i>(Local time: 15:20–17:20)</i>	<b>Session 1: Machine Learning &amp; AI</b> <i>Chair: Dr. Pham Minh Tuan</i> <i>Co-chair: Dr. Pham Cong Thang</i>	<b>Session 2: Intelligent Systems &amp; Security</b> <i>Chair: Assoc. Prof. Nguyen Tan Khoi</i> <i>Co-chair: Dr. Le Tran Duc</i>
8:20 – 8:40 <i>(Local time: 15:20–15:40)</i>	<b>Multitask Aspect_Based Sentiment Analysis with Integrated Bidirectional LSTM &amp; CNN Model</b> <i>Trang Uyen Tran, Ha Thanh Thi Hoang, Phuong Hoai Dang and Michel Riveill</i>	<b>Cyberbullying Detection Based On Word Curve Representations using B-Spline Interpolation</b> <i>Huu Tai Phung, Huynh Khanh Ly Dang and Minh Tuan Pham</i>
8:40 – 9:00 <i>(Local time: 15:40–16:00)</i>	<b>Haze removal method based on joint transmission map estimation and atmospheric-light extraction</b> <i>Andrei Filin, Inessa Gracheva and Andrei Kopylov</i>	<b>An Extended Benchmark System of Word Embedding Methods for Vulnerability Detection</b> <i>Hai Nguyen Ngoc, Hoang Nguyen Viet and Tetsutaro Uehara</i>
9:00 – 9:20 <i>(Local time: 16:00–16:20)</i>	<b>Predicting RNA secondary structure based on machine learning and genetic algorithm</b> <i>Duy Binh Doan, Minh Tuan Pham and Duc Long Dang</i>	<b>An integrated data collection and remote monitoring of power transmission grid using internet of things (IoT)</b> <i>Khoi Nguyen Tan and Tien Tran Ho Thuy</i>
9:20 – 9:40 <i>(Local time: 16:20–16:40)</i>	<b>Human Face Recognition and Temperature Measurement Based on</b>	<b>Multiple Level Action Embedding for Penetration Testing</b>

	<p><b>Deep Learning for Covid-19 Quarantine Checkpoint</b>  <i>Anh Quang Nguyen Vu, Jongon Park, Kyeongjin Joo, Tra Vinh Tran Thi, Trung Tin Tran and Joonhyeon Choi</i></p>	<p><i>Hoang Viet Nguyen, Hai Ngoc Nguyen and Tetsutaro Uehara</i></p>
<p><b>9:40 – 10:00</b>  <i>(Local time: 16:40–17:00)</i></p>	<p><b>HawkEye: a Visual Framework for Agile Cross-Validation of Deep Learning Approaches in Financial Forecasting</b>  <i>Salvatore Carta, Sergio Consoli, Andrea Corrigan, Raffaele Dapiaggi, Alessandro Sebastian Podda and Diego Reforgiato Recupero</i></p>	<p><b>Advanced Environmental Monitoring Solution Using the Internet of Things (IoT) and Blockchain</b>  <i>Viet Tran, Mau Pham, Hoang Ho and Luan Nguyen</i></p>
<p><b>10:00 – 10:20</b>  <i>(Local time: 17:00–17:20)</i></p>	<p><b>Reducing the impact of outliers on the one-class classification decision rule</b>  <i>Oleg Seredin, Andrey Kopylov and Aleksandr Larin</i></p>	
<p><b>10:20 – 10:30</b>  <i>(Local time: 17:20–17:30)</i></p>	<p><b>Coffee Break</b></p>	
<p><b>10:30 – 10:40</b>  <i>(Local time: 17:30–17:40)</i></p>	<p><b>Closing Ceremony</b>  <i>Dr. Pham Minh Tuan</i>  <i>University of Science and Technology – The University of Danang, Danang, Vietnam</i></p>	