

Thirteenth International Conference on Digital Information Management (ICDIM 2018)

Venue: **Mercure Berlin MOA Hotel**

September 24- 26, 2018

Preliminary Program

September 24, 2018 - Day I
08:30 – 09:30 - Registration
09:30-09:40: Opening Ceremony
09:40-10:30- Keynote 1-Alton CHUA on The Research Landscape of User-generated Digital Information: Challenges and Possibilities (Singapore)
10:30 - 10:50 -Coffee Break
Session I –Machine Learning and Natural Language Processing
10:50-11:10: Text classification based on LSTM and attention- <i>Xuemei Bai (China)</i>
11:10-11:30: A Summary Of Using Reinforcement Learning Strategies For Treating Project And Production Management Problems - <i>Athanasios Kiatipis (Germany), Georgios Koulinas Alexandros Xanthopoulos, Athanasios Kiatipis Germany, Dimitrios Koulouriotis (Greece)</i>
11:30-11:50: Ontology of Academic Sentence Dependencies for a Verb Choice Suggestion- <i>Sarunya Kanjanawattana (Thailand)</i> <i>Sarunya Kanjanawattana (Thailand), Masaomi Kimura (Japan)</i>
11:50-12:10: K2 platform in Business process management- <i>Ivana Ogrizek Biskupic Robert Arapovic Bosnia, Herzegovina Mateo Jurcic</i> <i>Bosnia and Herzegovina (Croatia)</i>
12:10-12:30: Exploiting Function Words Feature in Classifying Deceptive and Truthful Reviews- <i>Al Hafiz Akbar Maulana Siagian</i> <i>Masayoshi Aritsugi (Japan)</i>
12:30-12:50: Grammatical Error Checking Systems: A Review of Approaches and Emerging Directions- <i>Nora Madi,</i> <i>Hend S. Al-Khalifa (Saudi Arabia)</i>

12:30 - 14:00 - Lunch

Session I Contd...

14:00-14:20: Deep Learning in Classifying Sleep Stages- *Mohamed H. Al Meer MD, Abdullah Al Mamun (Qatar)*

14:20-14:40: Learning Patent Speak: Investigating Domain-Specific Word Embeddings- *Julian Risch, Ralf Krestel (Germany)*

14:40-15:00: Smart parking system - another way of sharing economy provided by private institutions- *Adrian Florea, Simona-Daniela Marcu (Romania)*

Session II - Data Mining

15:00-15:20: Similarity-Based Missing Values Filling Algorithm- *Fateh ur Rehman (Pakistan), Muhammad Abbas, Sajjad Murtaza (Germany), Wasi Haider Butt Usman Qamar, Saad Rehman(Pakistan)*

15:20-15:40: Attention Based Neural Architecture for Rumor Detection with Author Context Awareness- *Sansiri Tarnpradab, Kien Hua (United States)*

15:40-16:00: On the Analysis of a Public Dataset for Diabetes- *M. Omair Shafiq, Abdihakim Mao, M. Omair Shafiq (Canada)*

15:20-16:40: *Compliance at Velocity within a DevOps Environment-* *Muhammad Zaid Abrahams, Josef Langerman (South Africa)*

16:40-17:00: Development of Autonomous Intelligent System for Google Ads- *Burcu Kuleli Pak, Bora Mocan, Sema Yıldız Yoldaş, Neşe Baz(Turkey)*

17:00-17:20: Use of virtual private networks (VPN) and proxy servers: Impact of personality and demographics- *Antonin Pavlicek (Czech Republic), Frantisek Sudzina (Denmark)*

17:20-17:40: The Effect of Different Type of Information on Trust in Facebook Page -*Hasrini Sari, Farhan Mutaqin, Aditya Parama Setiaboedhi, (Indonesia)*

17:40-18:00: Multi-Clustering Applied to Collaborative Recommender Systems -*Urszula Kuźelewska, Arkadiusz Kuryłowicz (Poland)*

18:00-18:20 - *The importance of interaction mechanisms in blended learning courses involving problem solving e-tivities-* *Antonello Venditti, Fausto Fasano, Michele Risi, Genoveffa Tortora (Italy)*

18:20-18:40 - *Urdu Text Classification: A comparative study using machine learning techniques-* *Imran Rasheed, Vivek Gupta, Haider Banka, Chiranjeev Kumar (India)*

18:40-19:00 - *Interacting With Motivational Virtual Agent: The Effects of Message Framing and Regulatory Fit on Cognitive Load and Intrinsic Motivation-* *Tze Wei Liew, Su-Mae Tan, Chin Lay Gan (Malaysia)*

16:20 - 16:40 -Coffee Break

September 25, 2018 - Day II

Session III- 09:00-10:00-Tutorial -Paul NIEUWENHUYSEN on **Information discovery based on the emerging technology to analyse digital images (Belgium)**

10:00 – 10:20 -Coffee Break

Session IV - Sixth International Workshop on Data Science (IWDS 2018)

10:20-10:40: Treating Missing Data in Industrial Data Analytics- Lisa Ehrlinger *Thomas Grubinger, Bence Varga, Mario Pichler and Jürgen Zeindl (Austria)*

10:40-11:00: Machine Learning-based Code Analysis for Software Quality Assurance- Eldar Sultanow,*Gergana Vladova, Stefan Konopik and André Ullrich (Germany)*

11:00-11:20: SVM-RBM based Predictive Maintenance Scheme for IoT-enabled Smart Factory- Soonsung Hwang *Youngbin Kang, Jongpil Jeong (Korea)*

11:20-11:40: Machine Learning for Predicting the Damaged Parts of a Low Speed Vehicle Crash- Milan Koch, *Hao Wang and Thomas Bäck (Germany)*

11:40-12:00: Customer Churn Prediction for a Motor Insurance Company- *Maria Spiteri, George Azzopardi (Netherlands),*

12:00-12:20: Sensitivity Based Anonymization with Mixed Generalization- *Esther Gachanga, Micheal Kimwele and Lawrence Nderu (Kenya)*

12:20-12:40: Lung cancer medical image recognition using Deep Neural Networks- *Goran Jakimovski (Macedonia)*

12:20 - 14:00 - Lunch

Session V – Human-Computer Interaction

- 14:00-14:20:** Ontology Coverage Tool and Document Browser for Learning Material Exploration- *Christian Grévisse (Luxembourg)*
Christian Jeff Meder, Jean Botev, Steffen Rothkugel (Luxembourg)
- 14.20-14:40:** Botnet Detection in Network System Through Hybrid Low Variance Filter, Correlation Filter and Supervised Mining Process-
Ferry Astika Saputra, Muhammad Fajar Masputra, Iwan Syarif, Kalamullah Ramli (Indonesia)
- 14:40-15:00:** A Model-Based Approach to Guide Digital Transformation- *Hilda Tellioglu (Austria)*
- 15.00-15:20:** Lead Lag Relationship between Investor Sentiment in Social Media, Investor Attention in Google, and Stock Return-
Hasrini Sari, Aldila Rizkiana, Pameodji Hardjomidjojo, Budhi Prihartono, Indryati Sunaryo, Ilham Prasetyo (Indonesia)
- 15:20-15:40:** The Development and Analysis of TWISH: A Lightweight-Block-Cipher-TWINE-Based Hash Function -*Deden Irfan, Afryansyah Magfirawaty, Kalamullah Ramli (Indonesia)*

15:40-16:00 -Coffee Break

Session VI–Data Management and Big Data

- 15.40-16:00:** PediatricDB: Data Analytics Platform for Pediatric Healthcare - *Shantanu Deshmukh, Natalia Khuri (United States)*
- 16.00-16:20:** A Flexible Approach to Documenting and Presenting Multimedia Performances Using Motion Capture Data- *Roman Berka, Bohuš Získal, Zdeněk Trávníček (Czech Republic)*
- 16:20-16:40:** Creating Digital Collages Inspired by English Texts- *Vandana Kannan, Natalia Khuri (United States)*
- 16:40-17:00:** Towards Sustainable Digital Twins for Vertical Farming- *José Monteiro, João Barata, Marco Veloso, Luis Veloso, João Nunes (Portugal)*
- 17:20-17:40:** A Data-Driven Approach to Vessel Trajectory Prediction for Safe Autonomous Ship Operations-
Brian Murray, Lokukaluge Prasad Perera (Norway)
- 17:40-18:00:** Image Dataset for Visualizing Eye-Tracking Patterns in Autism Spectrum Disorder- *Mahmoud Elbattah, Romuald Carette, Mahmoud Elbattah, Gilles Dequen, Jean-Luc Guérin, Federica Cilia (France)*
- 18:00-18:20** - High Performance RDF Updates with TripleBit - *Hai Jin, Pingpeng Yuan, Lijian Fan, Hai Jin (China)*
- 18:20-18:40** - True Satisfaction in e-Marketing Product with focus on User Satisfaction Implementation Semantic Mechanism Methodology-*Hani Abdelsalam(Egypt)*
- 18:40-19:00-** Analyzing the Perception of Online Sheet Music Search: A Case Study *Dinuka De Silva, Saman Hettiarachchi (Sri Lanka)*

September 26, 2018 - Day III

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