

# Thirteenth International Conference on Digital Information Management (ICDIM 2018)

Venue: **Mercure Berlin MOA Hotel**

**September 24- 26, 2018**

## Preliminary Program

<b>September 24, 2018 - Day I</b>
<b>08:30 – 09:30 - Registration</b>
<b>09:30-09:40: Opening Ceremony</b>
<b>09:40-10:30- Keynote 1-Alton CHUA on The Research Landscape of User-generated Digital Information: Challenges and Possibilities (Singapore)</b>
<b>10:30 - 10:50 -Coffee Break</b>
<b>Session I –Machine Learning and Natural Language Processing</b>
<b>10:50-11:10:</b> Text classification based on LSTM and attention- <i>Xuemei Bai (China)</i>
<b>11:10-11:30:</b> 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>
<b>11:30-11:50:</b> Ontology of Academic Sentence Dependencies for a Verb Choice Suggestion- <i>Sarunya Kanjanawattana (Thailand)</i> <i>Sarunya Kanjanawattana (Thailand), Masaomi Kimura (Japan)</i>
<b>11:50-12:10:</b> K2 platform in Business process management- <i>Ivana Ogrizek Biskupic Robert Arapovic Bosnia, Herzegovina Mateo Jurcic</i> <i>Bosnia and Herzegovina (Croatia)</i>
<b>12:10-12:30:</b> Exploiting Function Words Feature in Classifying Deceptive and Truthful Reviews- <i>Al Hafiz Akbar Maulana Siagian</i> <i>Masayoshi Aritsugi (Japan)</i>
<b>12:30-12:50:</b> Sensitivity of Estimators for Measuring Information Amount in Web-Based Medical Documents- <i>Jolanta Pietraszko (Poland)</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:** SimFiller: 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, (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:** 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)*

**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** - *Conceptualization of a knowledge management framework for governments: A case of devolved county governments in Kenya- Patrick Kanyi Wamuyu, Joshua Rumo Ndiege (Kenya)*

**18:40-19:00** Mining Trajectory Data and Identifying Patterns for Taxi Movement Trips-*Omaid Shafiq, Rami Ibrahim (Canada)*

**19:00-19:20** - 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)*

**19:20-19:30** - Grammatical Error Checking Systems: A Review of Approaches and Emerging Directions- *Nora Madi, Hend S. Al-Khalifa (Saudi Arabia)*

**16:20 - 16:40 -Coffee Break**

## September 25, 2018 - Day II

**Session III- 09:00-09:45-Tutorial** -Paul NIEUWENHUYSEN on **Information discovery based on the emerging technology to analyse digital images (Belgium)**

**09:45 – 10:00 -Coffee Break**

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

**10:00-10:20:** Treating Missing Data in Industrial Data Analytics- *Lisa Ehrlinger Thomas Grubinger, Bence Varga, Mario Pichler and Jürgen Zeindl (Austria)*

**10:20-10:40:** Machine Learning-based Code Analysis for Software Quality Assurance- *Eldar Sultanow, Gergana Vladova, Stefan Konopik and André Ullrich (Germany)*

**10:40-11:00:** SVM-RBM based Predictive Maintenance Scheme for IoT-enabled Smart Factory- *Soonsung Hwang Youngbin Kang, Jongpil Jeong (Korea)*

**11:00-11:20:** Machine Learning for Predicting the Damaged Parts of a Low Speed Vehicle Crash- *Milan Koch, Hao Wang and Thomas Bäck (Germany)*

**11:20-11:40:** Customer Churn Prediction for a Motor Insurance Company- *Maria Spiteri, George Azzopardi (Netherlands),*

**11:40-12:00:** Sensitivity Based Anonymization with Mixed Generalization- *Esther Gachanga, Micheal Kimwele and Lawrence Nderu (Kenya)*

**12:00-12:20:** Lung cancer medical image recognition using Deep Neural Networks- *Goran Jakimovski (Macedonia)*

**12:20-12:40-** A Literature Analysis for the Identification of Machine Learning- and Feature Extraction Methods for Sentiment Analysis-  
*Bernd MARKSCHEFFEL, Markus Habertzettl (Germany)*

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

**19:00-19:20** - Unsupervised Topic Detection based on 2D Vector Space model using Apriori Algorithm and NLP -*Michael George (United Arab Emirates)*

**19:20-19:40-** Urdu Text Classification: A comparative study using machine learning techniques-*Imran Rasheed (India)*

**19:20-21.00- Conference Banquet**

**September 26, 2018 - Day III**

**Tour-**