



### **Call for Participation**

We invite you to join us in Zurich, Switzerland on January 25 ~ 26, 2020 for International Conference on Natural Language Processing and Machine Learning (NLPML 2020)

The Conference is a forum for presenting new advances and research results in the fields of Software Engineering, Quality Management, and Software Engineering Practice. The Workshop will bring together leading researchers, engineers and scientists in the domain of interest from around the world.

### **Highlights of NLPML2020 include:**

- Invited talk from eminent Professors.
- Submission of 300 papers from North America to Australia and selection of only Quality papers
- 7th International Conference on Artificial Intelligence and Applications (AIAPP 2020)
- 7th International Conference on Signal and Image Processing (SIGL 2020)
- 6th International Conference on Cryptography and Information Security (CRIS 2020)
- 7th International Conference on Cybernetics & Informatics (CYBI 2020)
- 6th International Conference on Data Mining and Applications (DMA 2020)
- 7th International Conference on Computer Science and Information Technology (CoSIT 2020)
- International Conference on Big Data CBDA 2020
- 6th International Conference on Software Engineering (SEC 2020)

### **Registration Participants**

Non-Author / Co-Author/ Simple Participants (no paper)

**390 EURO (With proceedings)**

Here's where you can reach us: [nlpml@cosit2020.org](mailto:nlpml@cosit2020.org) (or) [nlpml@yahoo.com](mailto:nlpml@yahoo.com)

## **Accepted Papers**

### **Sentiment Classification for Under-Resourced Language Using Word2Vec Neural Network: Amharic Language Social Media Text**

<sup>1</sup>Zewdie Mossie and <sup>2</sup>Jenq-Haur Wang, <sup>1</sup>Department of Computer Science and Information Engineering, National Taipei University of Technology, Taiwan and <sup>2</sup>Department of International Graduate Program in Electrical Engineering and Computer Science, National Taipei University of Technology, Taipei, Taiwan

### **Ontological Approach for Knowledge Extraction from Clinical Documents**

Raxit Goswami and Vatsal Shah Research Department, ezDI Inc, Kentucky, USA

### **Transfer Learning for Recognition of Surgical Workflow**

Baolian Qi <sup>1,3</sup>, Kunhua Zhong <sup>1,2,3</sup> and Yuwen Chen <sup>1,2,3</sup>, <sup>1</sup> Chengdu Computing Institute of the Chinese Academy of Sciences, Chengdu, China, <sup>2</sup> Chongqing Institute of Green and Intelligent, Chongqing, China and <sup>3</sup> University of Chinese Academy of Sciences, Beijing, China

### **Deep Image Compositing**

Shivangi Aneja and Soham Mazumder, Technical University of Munich, Germany

### **A Comprehensive Survey on TCP Congestion and INCAST Solutions in Data Center Networks**

Houda Amari <sup>1</sup>, LyesKhoukhi<sup>2</sup> and Lamia HadrichBelguith<sup>3,1</sup> Department of Computing Science, University of Sfax, Sfax, Tunisia, <sup>2</sup> ERA Lab, University of Technology of Troyes, Paris, France and <sup>3</sup> MIRACL Lab, University of Sfax, Sfax, Tunisia

### **Lekana - Blockchain Based Archive Storage**

ErangaBandara<sup>1</sup>, Wee Keong Ng <sup>2</sup>, Nalin Ranasinghe <sup>3</sup>, Kasun De Zoysa<sup>3</sup>, Bard Langoy<sup>1</sup> and David Larsson <sup>1</sup>, <sup>1</sup>Pagero AB, Gothenburg Sweden, <sup>2</sup> School of Computer Science and Engineering Nanyang Technological University, Singapore and <sup>3</sup> University of Colombo School of Computing, Sri Lanka

### **Innocrowd, A Contribution to an IoT Based Engineering Product Development**

Camille Salinesi<sup>1</sup>, Clotilde Rohleder <sup>2</sup>, AsmaaAchtaich <sup>1,3</sup>, Indra Kusumah <sup>1,2</sup>, <sup>1</sup> CRI -Paris <sup>1</sup> Sorbonne University, Paris, France, <sup>2</sup>University of Applied Science HTWG Constanz, Germany and <sup>3</sup>Siweb – Université Mohammed 5, Rabat, Maroc

### **Internet Research Agency's Campaign to Influence the U.S. 2016 Elections: Assessing Linguistic Profiles Via Statistical Analysis**

YuLinBingle, William Burke, Micheline Al Harrack, Larry Blankenship, Khoanam Nguyen, Christopher Sokol, Sara Sadat Tabatabaei, Department of Cybersecurity, Marymount University, Arlington, Virginia, USA

### **Revisit Dialogflow in an English Teaching Virtual Assistant use Case**

M.S. Tran<sup>1</sup>, T.H. Tran<sup>2</sup>, Q.D. Tran<sup>3,1</sup> AI Lab, Topica Holding, Hanoi, Vietnam, <sup>2</sup> University of Technology and Education, Hochiminh City, Vietnam and <sup>3</sup> Hanoi University of Science and Technology, Hanoi, Vietnam.

### **Tensorflow 2.0 And Kubeflow for Scalable and Reproducible Enterprise AI**

Romeo Kienzler<sup>1,2</sup>, Holger Kyas<sup>2,3</sup>, <sup>1</sup> IBM Center for Open Source Data and AI Technologies, San Francisco, CA, USA, <sup>2</sup> Berne University of Applied Sciences, Berne, Switzerland and <sup>3</sup> Helvetia Insurance Switzerland, Basel, Switzerland

### **CBS: A Crypto-bio System for Information Security**

THOMPSON A.F, OWOLAFE O., Department of Computer Science, Federal University of Technology, Akure, Nigeria

### **Buliding The First Arabic Dataset for Sentiment Analysis in Syrian Dialect Out of Facebook platform**

<sup>1</sup> Nasser Nasser and <sup>2</sup> Ali Arous, <sup>1</sup> Department of Software Engineering, Tishreen University, Latakia, Syria <sup>2</sup> Department of Software Engineering, Tishreen University, Latakia, Syria

### **Accounting narrative obfuscation in financial statements**

JörgHering, Jens Hölscher and Phyllis Alexander, Department of Accounting, Finance and Economics, Bournemouth University, 89 Holdenhurst Road, Bournemouth BH8 8EB, United Kingdom

### **Fase-AI — Adaptation of Fast Adaptive Stacking of Ensembles for Supporting Active Learning**

Agustín Alejandro Ortiz-Díaz<sup>1</sup>, Fabiano Baldo<sup>1</sup>, Laura María Palomino Mariño<sup>2</sup> and Alberto Verdecia Cabrera<sup>3,1</sup> <sup>1</sup> Santa Catarina State University, Joinville, Santa Catarina, Brazil, <sup>2</sup> Pernambuco Federal University, Recife, Pernambuco, Brazil and <sup>3</sup> Granma University, Manzanillo, Granma, Cuba

### **Analysis of Echo Characteristics for Time – Varying Scatterers**

Junjie Wang<sup>1</sup>, Weidong Hu<sup>2</sup> and Dejun Feng<sup>3,1</sup> <sup>1</sup> State Key Laboratory of Complex Electromagnetic Environmental Effects on Electronics and Information System, National University of Defense Technology, Changsha, China, <sup>2</sup> College of Electrical Science, National University of Defense Technology, Changsha, China

### **Detecting and Mapping Ancient Buildings by using GPR**

MuhammetCihat MUMCU, Faculty of Engineering, Marmara University, Istanbul, Turkey and Department of Electrical & Electronics Engineering, Maltepe University, Istanbul, Turkey

### **Event-Based Real-Time Hand Gesture Recognition using Spiking Neural Network**

Van Khoa LE and Sylvain Bougnoux, IMRA Europe S.A.S., 220 Rue Albert Caquot, 06904 Sophia-Antipolis

### **Improvement of Intrusion Detection System's Accuracy Using Gradient Boosting Trees on Kyoto 2016 Dataset**

Ryosuke Terado<sup>1</sup> and Morihiro Hayashida<sup>2</sup>: <sup>1</sup>Electrical Group - WORKS Co., Ltd, Masuda, Shimane, Japan <sup>2</sup>National Institute of Technology, Matsue College, Matsue, Shimane, Japan

### **Privacy Preserving Data Aggregation and Dynamic Billing System in Smart Grid Using Permissioned Blockchain**

Ozgur Oksuz, Faculty of Engineering, Adiyaman University, Adiyaman, Turkey

### **Design of Blockchain Ledger Compression Algorithm**

Zhijun Wu, Yiming Yang and Xin Lu, Civil Aviation University of China, Tianjin, China

### **Evaluating Verbal Production Levels**

Fabio Fassetti<sup>1</sup> and Ilaria Fassetti<sup>2</sup>: <sup>1</sup>DIMES Dept., University of Calabria, Italy and <sup>2</sup>Therapeia, Rehabilitation Center, Italy

### **A Computational Phonetic Comparison Algorithms Approach for the Low-Resources Languages (Extinct Meroitic)**

Ali Raham

### **A Modern Psycho-virus War of AI for the Global Mind**

Alexander G. Yushchenko, Department of Information Systems, National Technical University Kharkiv Polytechnic Institute, Kharkiv, Ukraine

### **Filter-based Active Suspension System with Adapted Reference Input**

Adel Djellal<sup>1</sup> and Rabah Lake<sup>1, 2</sup>: <sup>1</sup>Department of Second Cycle, Higher School for Industrial Technologies, Annaba, Algeria and <sup>2</sup>Department of Electronics, Badji Mokhtar University, Annaba, Algeria

### **Separateness Algorithm of Relevant and Irrelevant Documents Based on Lagrange Multipliers**

Rabeb Mbarek and Hawete Hattab.