

23rd Pan-Hellenic Conference on Informatics (PCI 2019)

Thursday 28/11/2019 – Saturday 30/11/2019

Venue: UNESCO, University of Nicosia

Conference Program

Thursday, November 28, 2019	
8:00 am to 9:00 am	Registration
9:00 am to 9:10 am	Conference Opening Welcome Address from PCI 2019 General Chairs Welcome Address from University of Nicosia Rector Prof. Pouyioutas
9:10 am to 10:10 am	Keynote I George Giaglis, "Blockchain research challenges for the next decade: From M2M commerce to self-sovereign identities for machines"
10:10 am to 10:40 am	Coffee Break
10:40 am to 12:00 pm	Session 1 Chair: Demetris Trihinas Enhancing the Extraction of SBVR Business Vocabularies and Business Rules from UML Use Case Diagrams with Natural Language Processing. <i>Paulius Danenas, Tomas Skersys and Rimantas Butleris.</i> Utilizing the Buckshot Algorithm for Efficient Big Data Clustering in the MapReduce Model. <i>Sergios Gerakidis and Basilis Mamalis.</i> A usability study with healthcare professionals of a customizable framework for reminiscence and music based cognitive activities for people with dementia. <i>Luis Ferreira.</i> Monitoring and Management of Home Appliances with NETCONF and YANG. <i>Kyriaki Seklou, Panagiotis Kokkinos, Nikolaos D. Tselikas and Anthony C. Boucouvalas.</i>
12:00 pm to 1:40 pm	Lunch
1:40 pm to 3:00 pm	Session 2 Chair: Damas Gruska A Study on Speculative Task Scheduling for Apache Spark in Fog Computing Realms. <i>Moysis Symeonides and Demetris Trihinas.</i> Study of the acoustic noise in pipelines carrying oil products in a refinery establishment.

	<p><i>George-Othon Glentis, Konstantinos Angelopoulos, Spyridon Nikolaidis, Georgios Panagiotis Kousiopoulos, Dimitrios Porlidas and Dimitrios Gkoutis.</i></p> <p>Routing Policy Verification for Enhanced Energy Quality of Service and Security Monitoring in IoT Networks. <i>Konstantinos Papachristou, Traianos-Ioannis Theodorou, Stavros Papadopoulos, Aikaterini Protogerou, Anastasios Drosou and Dimitrios Tzovaras.</i></p> <p>Leakage detection using leak noise correlation techniques - Overview and implementation aspects/ <i>George-Othon Glentis and Konstantinos Angelopoulos.</i></p>
3:00 pm to 3:20 pm	Coffee Break
3:20 pm to 5:00 pm	<p>Poster Exhibition</p> <p>Factors and models contributing to the optimization of search engine results credibility and application on news content: The Cross-Credibility Engine Optimization (CCEO) model. <i>Charalampos Dimoulas and Andreas Veglis.</i></p> <p>A Unified approach for Memory Protection in a Bare-Metal and a Real Time Operating System. <i>Muhamamd Faisal, Erik Dilger and Sergio Montenegro.</i></p> <p>Security and Time Insertion. <i>Damas Gruska.</i></p> <p>Mutual Requirements Evolution by Combining Different Information Systems. <i>Haruhiko Kaiya, Kaito Nagano, Ryoya Muto and Mizuki Yoshikida</i></p> <p>Greek Language Object Representation Scene System. <i>George Krikos, Nikitas Karanikolas, George Miaoulis and Athanasios Voulodimos</i></p> <p>Embedding a chatbot in a news article - Design and Implementation. <i>Andreas Veglis and Theodora Maniou.</i></p>
	Conference Dinner
Friday, November 29, 2019	
8:00 am to 9:00 am	Registration
9:00 am to 10:00 am	<p>Keynote II Yiorgos Chrysanthou, "Data Driven Virtual Characters"</p>
10:00 am to 10:40 am	Coffee Break
10:40 am to 12:00 pm	<p>Session 3 Chair: Luis Ferreira</p> <p>ObjectMap: Detecting Insecure Object Deserialization. <i>Nikolaos Koutroumpouchos, Georgios Lavdanis, Eleni Veroni, Christoforos Ntantogian and Christos Xenakis.</i></p>

	<p>A hybrid method for missing value imputation. <i>Aikaterini Karanikola and Sotiris Kotsiantis.</i></p> <p>A Semantically Annotated JSON Metadata Structure for Open Linked Cultural Data in Neo4. <i>Georgios Drakopoulos, Yorghos Voutos, Evaggelos Spyrou and Phivos Mylonas.</i></p> <p>Multi-Screen Lock: Visual Passwords from User's Social Data. <i>Vasileios Tsoukas, Anargyros Gkogkidis, Athanasios Kakarountas and Georgios Giannakas.</i></p>
12:00 pm to 1:40 pm	Lunch
1:40 pm to 3:00 pm	<p>Session 4 Chair: George-Othon Glentis</p> <p>A comparative survey of Machine Learning Classification Algorithms for Breast Cancer Detection. <i>Markos Kaklamanis and Michael Filippakis.</i></p> <p>Knowledge Retention Through Observation of Instant Messaging Systems. <i>João Costa, Carlos Cunha, Pedro Duarte and João Menoita.</i></p> <p>Transforming the Supply-chain management and Industry Logistics with Blockchain Smart Contracts. <i>Sofia Terzi, Angeliki Zacharaki, Alexandros Nizamis, Konstantinos Votis, Dimosthenis Ioannidis, Dimitrios Tzovaras and Ioannis Stamelos.</i></p> <p>OpenMIC: Open Multi-Agent Intelligence and Computing. <i>Andreas Varvarigos, Aristotelis Kretsīs and Panagiotis Kokkinos.</i></p>
3:00 pm to 3:20 pm	Coffee Break
3:20 pm to 4:00 pm	<p>Session 5 Chair: Sofia Terzi</p> <p>An experimental study of IoT transmission power, in outdoor environment, using Crossbow TelosB nodes. <i>Charalambos Sergiou, Loizos Kanaris, Aristodemos Paphitis and Stavros Stavrou.</i></p> <p>Instructed Late Binding <i>Seyed Hossein Haeri and Paul Keir.</i></p>
4:00 pm to 4:30 pm	Closing Ceremony
Saturday, November 30, 2019	
9:00 am	Full day excursion in Limassol (contact Registration Desk on site for more information)