

22nd Pan-Hellenic Conference on Informatics (PCI 2018)

Thursday 29/11 – Saturday 1/12

(Preliminary Program)

THURSDAY		
14.00-14.30	Opening	
14.30-15.30	KEYNOTE I Yannis Manolopoulos. Scientometrics: Introduction and Advancements	
15.30-16.30	RESEARCH PROJECTS	
16.30-17.00	COFFEE BREAK	COFFEE BREAK
17.00-18.30	SESSION 1 (Algorithms & Computing) - [22, 16, 24] 22. Panagiota Panagopoulou. Simple Algorithmic Techniques to Approximate Nash Equilibria 16. Panagiota Tselenti, Konstantinos Danas and Olympia Lazaridou. Inferring and calculating trust for trust-based recommendations 24. Helen Briola, George Drosatos, Giorgos Stamatelatos, Sotirios Gyftopoulos and Pavlos Efraimidis. Privacy Leakages about Political Beliefs through Analysis of Twitter Followers	SESSION 2 (Communication Networks) - [15, 20, 32] 15. Apostolos Galanopoulos, Fotis Foukalas and Apostolos Xenakis. Multi-RAT Spectrum Reallocation including Carrier Aggregation for 5G Networks 20. Anestis Dalgkitsis, Malamati Louta and George Karetsos. Traffic Forecasting in Cellular Networks using the LSTM RNN 32. Anna Triantafyllou, Panagiotis Sarigiannidis, Antonios Sarigiannidis, Erkuden Rios and Eider Iturbe Eider Iturbe. Towards An Anonymous Incident Communication Channel for Electric Smart Grids
FRIDAY		
10.00-11.30	SESSION 3 (Security) - [36, 6, 41, 29] 36. Georgios Makrodimitris, Panayiotis Kotzanikolaou and Christos Douligeris. Preliminary design of a new approach to choose cyber exercise methodologies for Critical Infrastructures 6. Dimitrios Kontogeorgis, Konstantinos Limniotis and Ioanna Kantzavelou. An Evaluation of the HTTPS adoption in websites in Greece - Estimating the users awareness 41. Sokratis Katsikas and Vasileios Anastopoulos. Design of a Dynamic Log Management Infrastructure Using Risk and Affiliation Network Analysis 29. Ioanna Kitsaki, Anna Angelogiani, Christoforos Ntantogian and Christos Xenakis. A Forensic Investigation of Android Mobile Applications	SESSION 4 (Education & Learning Technologies) - [2, 43, 18, 28] 2. Nikolaos Avouris. Introduction to computing: A survey of courses in Greek higher education institutions 43. Athanasios Sypsas and Dimitris Kalles. Virtual Laboratories in Biology, Biotechnology and Chemistry education: A Literature Review 18. Andreas Gkontzis, Sotiris Kotsiantis, Rozita Tsoni and Vassilios Verykios. An Effective LA Approach to Predict Student Achievement 28. Elias Misailidis, Angelos Charitopoulos and Maria Rangoussi. Visualization of educational data mined from the moodle e-learning platform
11.30-12.00	COFFEE BREAK	COFFEE BREAK

12.00-13.30	<p>SESSION 5 (RDI) - [39, 59, 58(short), 78(short)]</p> <p>39. Theodoros Anagnostopoulos, Klimis Ntalianis, Christos Skourlas and S.R. Jino Ramson. IoT-enabled fall verification of elderly and impaired people in Smart Cities</p> <p>59. Michael Galliakis, Christos Skourlas, Eleni Galiotou and Ioannis Voyiatzis. A low-cost Smart Home for the assistance of elderly persons and patients</p> <p>78. Catherine Marinagi, Christos Skourlas and Eleni Galiotou. Advanced Information Technology Solutions for Implementing Information Sharing across Supply Chains</p> <p>58. Manolis Chalaris, Fanis Karamichalelis and Ioannis Chalaris. Development of a Prototype ISO-compliant Quality Assurance System for a University</p>	<p>SESSION 6 (Artificial Intelligence) - [5, 7, 10, 44(short)]</p> <p>5. Athanasios Lentzas, Andreas Agapitos and Dimitris Vrakas. Evaluating state-of-the-art classifiers for human activity recognition using smartphones</p> <p>7. George Kandilogiannakis, Paris Mastorocostas and Dimitris Varsamis. A Computational Intelligence-based Filter for Lung Sound Separation</p> <p>10. George Kyriakides and Konstantinos Margaritis. Towards automated neural design: An open source, distributed neural architecture research framework.</p> <p>44. Polixeni Kiratsa, George Sidiropoulos, Eftichia Badeka, Cristina Papadopoulou, Alexandros Nikolaou and George Papakostas. Gender Identification Through Facebook Data Analysis Using Machine Learning Techniques</p>
13.30-15.00	LUNCH BREAK	LUNCH BREAK
15.00-16.30	<p>SESSION 7 (MDS - I) - [63, 53, 30, 89]</p> <p>63. Natalia Panagou, Panos Papadopoulos, Maria Koziri and Thanasis Loukopoulos. On Evaluating the Impact of Tile Partitioning in AV1</p> <p>53. Ioannis Deliyannis, Sifis Simianakis and Konstantinos Chorianopoulos. ActionTrip: Automating Egocentric Video Production through Gestural Interaction and Landmark Awareness</p> <p>30. Vassilios Kalavrouziotis, Andreas Komninos and John Garofalakis. Venue Matching in Social Network APIs using Neural Networks</p> <p>89. Nikitas Karanikolas and Antonios Liaramantzas. Cheap and efficient Solar Energy: Software and Electronics</p>	<p>SESSION 8 (Inf. Systems & Software Engineering) - [11, 47, 23, 45]</p> <p>11. John Garofalakis, Konstantinos Plessas, Athanasios Plessas and Panoraia Spiliopoulou. A Project for the Transformation of Greek Legal Documents into Legal Open Data</p> <p>47. Vassilis Gerogiannis, Panos Fitsilis, George Kakarontzas and Christian Born. Handling Vagueness and Subjectivity in Requirements Prioritization</p> <p>23. George Kakarontzas and Christina Pardalidou. Improving Component Coupling Information with Dynamic Profiling</p> <p>45. Euripidis Loukis and Spyros Arvanitis. POLICY ANALYTICS FOR IMPROVING FIRMS INVESTMENT BEHAVIOUR IN CRISIS</p>
16.30-17.00	COFFEE BREAK	COFFEE BREAK
17.00-18.30	<p>SESSION 9 (MDS - II) - [46, 49, 14, 8(short)]</p> <p>46. Eleni Regkou and Minas Dasygenis. Design and Development of an Android Application with Supportive Website in order to create a Travel Guide for Western Macedonia</p> <p>49. George Nasis and Aphrodite Tsalgatidou. BLACE: A Real Time Tracking Application as a Social Network</p> <p>14. Yorghos Voutos and Phivos Mylonas. A semantic data model for sensory spatio-temporal environmental concepts</p> <p>8. Iliana Potsika and Minas Dasygenis. Web Information System for Natural Gas Technicians Dealing with Malfunctions Management – iGasService</p>	<p>SESSION 10 (Image, Video & Signal Processing) - [4, 27, 12, 38]</p> <p>4. Konstantinos Alachouzakis, Nikolaos - Dimitrios Veneris, Spyridon Kavvadias, Angeliki Antoniou and George Lepouras. A study of micro-augmentations: personality, gender, emotions and effects on attention and brain waves</p> <p>27. Panagiotis Adamopoulos, Dimitrios Kotsifakos and Christos Douligeris. Study, design and development of a modern video system to improve services from production to the end user</p> <p>12. Georgios Karantaidis and Constantine Kotropoulos. ASSESSING SPECTRAL ESTIMATION METHODS FOR ELECTRIC NETWORK FREQUENCY EXTRACTION</p> <p>38. Nikos Petrellis. Skin Disorder Diagnosis Assisted by Lesion Color Adaptation</p>
	SOCIAL EVENT	SOCIAL EVENT

SATURDAY		
09.30-10.30	KEYNOTE II Dimitrios Tzovaras. Computer Vision and Signal Processing Techniques for Advanced Robotic Applications	
10.30-11.00	COFFEE BREAK	COFFEE BREAK
11.00-12.45	SESSION 11 (HCI@PCI - I) - [65, 73, 3, 33, 42(short), 52(short)] 🚩 Welcome on behalf of ACM Gr-SIGCHI 65. Marientina Gotsis and Maryalice Jordan-Marsh. Calling HCI Professionals into Health Research: Patient Safety and Health Equity at Stake 73. Vasilis Zafeiropoulos and Dimitris Kalles. Quantitative Liquid Simulation in an Interactive 3D Virtual Laboratory 3. Alexandros Merkouris and Konstantinos Chorianopoulos. Embodied interaction with educational robotics: How interface affordances affect computational thinking and science education 33. Nikolaos Avouris, Christos Sintoris and Christina Katsini. Studying Human-Computer Interaction for Social Good: the Case of Digital Government Evaluation and Re-Design Project 42. Tasos Makris. Usability Evaluation of the Athens Transport Electronic Ticket 52. Nikos Karousos and Dionisis Karousos. Visualizing the Keystroke Level Model in Web Form Filling Tasks through Adaptive Animation towards Learning	SESSION 12 (Data Mining & Cloud Computing) - [31, 25, 26, 74] 31. Aikaterini Karanikola, Stamatis Karlos, Vangel Kazllarof and Sotiris Kotsiantis. An incrementally updateable ensemble learner 25. Nikolaos Sachpenderis and Georgia Koloniari. Determining Interesting Communities in Evolving Social Networks 26. Elias Dritsas, Ioannis Livieris, Konstantinos Giotopoulos and Leonidas Theodorakopoulos. An Apache Spark Implementation for Graph-based Hashtag Sentiment Classification on Twitter 74. Basilis Mamalis and Sofia Megarchioti. The BigKClustering Approach for Document Clustering using Hadoop MapReduce
12.45-14.00	LUNCH BREAK	LUNCH BREAK
14.00-15.45	SESSION 13 (HCI@PCI - II) - [56, 21, 62(short), 64, 70] 56. Markos Konstantakis, John Aliprantis, Alexandros Teneketzis and George Caridakis. Understanding User eXperience aspects in Cultural Heritage interaction 21. Kyriakos Christodoulou, Maria Vayanou, George Tsampounaris and Yannis Ioannidis. MagicARTS: An Interactive Social Journey in the Art World 62. Dimitrios Darzentas, Martin Flintham and Steve Benford. Object-Focused Mixed Reality Storytelling 64. Panayiotis Koutsabasis, Spyros Vosinakis, Modestos Stavrakis and Panayiotis Kyriakoulakos. Teaching HCI with a Studio Approach: Lessons Learnt 70. Anastasios Ntourmas, Nikolaos Avouris and Sophia Daskalaki. Teaching assistants' intervention in online courses: a comparative study of two massive open online courses 🚩 Closing remarks, Q&A	SESSION 14 (CCIoT) - [34, 75, 37, 71] 34. Michael Dossis, Ioannis Kazanidis, Stavros Valsamidis, George Kokkonis and Sotirios Kontogiannis. Proposed Open Source Framework for Interactive IoT Smart Museums 75. Nikolas Vidakis, Michail Angelos Lasithiotakis and Emmanouel Karapidakis. Recodify – An Intelligent Environment and space hazard condition Monitoring System based on WSN and IoT technology 37. Ioannis Georgiadis, Michael Dossis and Sotirios Kontogiannis. Performance evaluation on IoT devices secure data delivery processes 71. Charalampos Konstantopoulos, Basilis Mamalis and Grammati Pantziou. Secure and Trust-Aware Routing in Wireless Sensor Networks
15.45-16.30	CLOSING	CLOSING

(*) Full papers presentations: 20 minutes

(*) Short papers presentations: 10 minutes