



SMAP 2020 Programme

October 29-30, 2020

Department of Informatics, Ionian University
Humanistic and Social Informatics Laboratory



Humanistic and Social Informatics Laboratory

Virtual Event, supported by Zoom

Day 1		October 29, 2020
09:45-10:00	Workshop Welcome	
10:00-11:00	Keynote 1 - Hybrid Knowledge Representation Approaches and Systems Prof. Ioannis Hatzilygeroudis, University of Patras, GR <i>Chair: Phivos Mylonas, Ionian University, GR</i>	
11:00-11:30	Virtual Coffee Break I	
Session A: Personalized Content Manipulation		
11:30-12:30	Session A1: Personalization <i>Chair: Evaggelos Spyrou, University of Thessaly, GR</i>	
12:30-13:00	Virtual Coffee Break II	
13:00-14:30	Session A2: Multimedia Content Manipulation <i>Chair: Manolis Wallace, University of the Peloponnese, GR</i>	
14:30-15:30	Virtual Lunch Time	
Session B: Intelligent Systems		
15:30-17:00	Session B1: Algorithmic Analysis <i>Chair: Katia-Lida Keramidou, Ionian University, GR</i>	
17:00-17:30	Virtual Coffee Break III	
17:30-19:00	Session B2: Recommender Systems <i>Chair: Nicolas Tsapatsoulis, Technical University of Cyprus, CY</i>	
19:00-19:05	Day 1 Closing	
Day 2		October 30, 2020
09:45-10:00	Day 2 Opening	
10:00-11:00	Keynote 2 - Adapting player experience using cultural information Kostas Karpouzis, Institute of Communication and Computer Systems, GR <i>Chair: Evaggelos Spyrou, University of Thessaly, GR</i>	
11:00-11:30	Virtual Coffee Break I	
Session C: Knowledge Mining		
11:30-12:30	Session C1: Knowledge Management <i>Chair: Andreas Kanavos, Ionian University, GR</i>	
12:30-13:00	Virtual Coffee Break II	
13:00-14:30	Session C2: Data Mining <i>Chair: Manolis Maragkoudakis, Ionian University, GR</i>	
14:30-15:30	Virtual Lunch Time	
Session D: Social & Crowd Technologies		
15:30-17:00	Session D1: Social Media Analysis <i>Chair: Ioannis Anagnostopoulos, University of Thessaly, GR</i>	
17:00-17:30	Virtual Coffee Break III	
17:30-19:00	Session D2: CROwd-Powered e-Services <i>Chair: Martín López-Nores, University of Vigo, ES</i>	
19:00-19:15	Individual virtual face-to-face communications	
19:15-19:20	Workshop Closing	

Session A: Personalized Content Manipulation

Session A1: Personalization

Leveraging Virtual Labs for Personalised Group-based Assessment in a Postgraduate Network Security and Penetration Testing Module, Arghir-Nicolae Moldovan and Ioana Ghergulescu

Towards AI-based Semantic Multimedia Indexing and Retrieval for Social Media, Stefan Wagenpfeil and Matthias Hemmje

Using Transfer Learning Approach to Implement Convolutional Neural Network to Recommend Airline Tickets by Using Online Reviews, Maryam Heidari and Setareh Rafatirad

Session A2: Multimedia Content Manipulation

Towards a Personalized Multimodal System for Natural Voice Reproduction, Stelios Gavras, Spiros Baxevanakis, Dimitris Kikidis, Efthymios Kyrodimos and Themis Exarchos

3D Scanning with AI-powered Embedded System Streaming Digital Signage via Redundant Network Attached Storage and Hybrid Cloud Storage, Pisak Chermprayong and Chairat Kraichan

Image Segmentation based on Determinative Brain Storm Optimization, Georgia Sovatzidi, Dimitra-Christina Koutsiou, Michalis Savelonas and Dimitris Iakovidis

ARCHEO: A Dataset for Sound Event Detection in Areas of Touristic Interest, Theodoros Psallidas, Alexander Mitsou, George Pikramenos, Evaggelos Spyrou and Theodoros Giannakopoulos

Session B: Intelligent Systems

Session B1: Algorithmic Analysis

Tile Based Wavefront Parallelism in HEVC, Giorgos Papaioannou, Maria Koziri, Panos Papadopoulos, Thanasis Loukopoulos and Ioannis Anagnostopoulos

An automatic learning for re-ranking in social information retrieval, Rihab Haddad and Lobna Hlaoua

Hybrid Time-series Representation for the Classification of Driving Behaviour, Michalis Savelonas, Dimitris Mantzekis, Nikos Labiris, Stavros Karkanis and Evaggelos Spyrou

Image retrieval via topic modelling of Instagram hashtags, Nicolas Tsapatsoulis

Session B2: Recommender Systems

Studies for Designing Stereotypes in a Mobile Recommendation System for Environmental Awareness, Katerina Kabassi and Aristotelis Martinis

Personalised Visual Art Recommendation by Learning Latent Semantic Representations, Bereket Abera Yilma, Najib Aghenda, Marcelo Romero, Yannick Naudet and Herve Panetto

Enhancing Collaborative Filtering Recommendations for Web-based Learning Platforms with Genetic Algorithms, Maria Nefeli Nikiforos, Maria Malakopoulou, Andreana Styliou, Aikaterini-Georgia Alvanou, Vasileios Karyotis and Panos Kourouthanassis

Developing an educational programming game for children with ADHD, Christos Galeos, Kostas Karpouzis and Georgios Tsatiris

Session C: Knowledge Mining

Session C1: Knowledge Management

Ferrini Experiments on the localisation of cooking recipes content using semantic food descriptions, Christoph Stahl, Benjamin Gateau and Krizia

Metadata-enriched Discovery Of Aspect Similarities Between Cultural Objects, Yorghos Voutos, Georgios Drakopoulos and Phivos Mylonas

Declarative Programming Approach for Fake Review Detection, Nour Jnoub and Wolfgang Klas

Session C2: Data Mining

Big Archaeological Data: Mining social information about ancient Mesopotamian civilizations using a graph database built from cuneiform corpora, Marta Rodriguez Sampayo, Martin Lopez-Nores and Jose Pazos-Arias

On Preprocessing the Data for Improving Sexual Predator Detection, Parisa Rezaee Borj, Kiran Raja and Patrick Bours

Security and Privacy Solutions associated with NoSQL Data Stores, Gerasimos Vonitsanos, Elias Dritsas, Andreas Kanavos, Phivos Mylonas and Spyros Sioutas

An Entropy-based Evaluation for Sentiment Analysis of Stock Market Prices using Twitter Data, Andreas Kanavos, Gerasimos Vonitsanos, Alaa Mohasseb and Phivos Mylonas

Session D: Social & Crowd Technologies

Session D1: Social Media Analysis

Identifying Fake News from the Variables that Governs the Spread of Fake News, Milan Dordevic, Pardis Pourghom and Fadi Safieddine

Enriching social analytics with latent Twitter image information, Gerasimos Razis, Georgios Theofilou and Ioannis Anagnostopoulos

Unsupervised Discovery Of Semantically Aware Communities With Tensor Kruskal Decomposition: A Case Study In Twitter, Georgios Drakopoulos, Konstantinos Giotopoulos, Ioanna Giannoukou and Spyros Sioutas

Generation Z: Factors affecting the use of Social Networking Sites (SNSs), Prodromos Chatzoglou, Dimitrios Chatzoudes, Despoina Ioakeimidou, Alexandra Tokoutsis

Special Session D2: CROwd-Powered e-Services

Crowd Sourcing as an Improvement of N-Grams Text Document Classification Algorithm, Petr Saloun, David Andresic, Barbora Cigankova and Ioannis Anagnostopoulos

CrowdHeritage: Improving the quality of Cultural Heritage through crowdsourcing methods, Maria Ralli, Spyros Bekiaris, Eirini Kaldeli, Orfeas Menis - Mastromichalakis, Natasa Sofou, Vassilis Tzouvaras and Giorgos Stamou

Examining the Impact of an Interactive Storytelling platform on Educational Contexts Through Contemporary Crowdsourcing Methods of Audiovisual Content Publishing, George Kalmpourtzis, George Ketsiakidis, Lazaros Vrysis and Margarida Romero

GeoMakelt!: A Platform for Developing Location Based Games, Vasileios Dimitriadis, Panagiotis Oikonomou, Panos Papadopoulos, Natalia Panagou, Antonios Dadaliaris and Thanasis Loukopoulos