

# SMAP 2023 Final Program

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## Monday, September 25th, 2023

08:15 – 08:45: Registration & Welcome

<b>08:45 - 10:15</b>	<b>Session 1A:</b>	<b>Social data mining &amp; social media analytics I</b>
	Chair:	Nicolas Tsapatsoulis, Cyprus University of Technology
08:45 – 09:05	Andreas Kanavos, Nikos Antonopoulos, Alaa Mohasseb, Phivos Mylonas	
	<b>Analyzing Public Sentiment Towards the Covid-19 Pandemic: A Twitter-based Sentiment Analysis and Machine Learning Approach</b>	
09:05 - 09:25	Christiana Andreou, Nicolas Tsapatsoulis, Vasiliki Anastasopoulou	
	<b>A dataset of hotel reviews for aspect-based sentiment analysis and topic modeling</b>	
09:25 - 09:45	Kostas Gemenis	
	<b>Using Facebook Targeted Advertisements to Recruit Survey Respondents</b>	
09:45 - 10:15	Karwan Mohammed Hamakarim, Aland Farhad Mohammed, Rawaz Abdulrahman Fage Mohammed, Bawan Nawzad Hamatahir	
	<b>Using DeepWalk to Link Prediction in Sub graph</b>	

10:15 – 10:45: Coffee Break

<b>10:45 - 12:05</b>	<b>Session 1B:</b>	<b>Social data mining &amp; social media analytics II</b>
	Chair:	Maria Voutsas, Cyprus University of Technology
10:45 - 11:05	Andreas Neumeier	
	<b>Dynamic Analysis Pipeline in Real Time Monitoring Scenario</b>	
11:05 - 11:25	Andreas Kanavos, Nikos Antonopoulos, Ioannis Karamitsos, Phivos Mylonas	
	<b>A Comparative Analysis of Tweet Analysis Algorithms using Natural Language Processing and Machine Learning Models</b>	
11:25-11:45	Constantinos Djouvas, Christos Christodoulou, Antonis Charalampous, Nikandros Ioannidis	
	<b>Identifying Euroscepticism using a Text-As-Data approach: an experimental study employing parliamentary speeches</b>	
11:45 - 12:05	Nelly Sergidou, Vasiliki Trigka, Nicolas Tsapatsoulis	
	<b>Social vs news media in politics: Revisiting the case of the 2015 Greek bailout referendum</b>	

<b>12:15 - 13:35</b>	<b>Session 2:</b>	<b>Ontologies, knowledge &amp; platforms</b>
	Chair:	Kostas Gemenis, Cyprus University of Technology
12:15 - 12:35	Gerasimos Razis, Konstantinos Anagnostopoulos, Omiros Metaxas, Stefanos-Dimitrios Stefanidis, Hong Zhou, Ioannis Anagnostopoulos	
	<b>PaperMill Detection in Scientific Content</b>	
12:35 - 12:55	Constantinos Djouvas, Nicolas Tsapatsoulis, Aristodimos Lanitis	
	<b>Implementing the EUt+ European Student Card via Open Source Services</b>	

12:55 - 13:15	Eirini Mathe, Despoina Mouratidis, Yorghos Voutos, Katia Kermanidis, Phivos Mylonas, Andreas Kanavos
	<b>ShipQuest: a Bottom-Up Approach for Building a Modern Greek Maritime Ontology</b>
13:15 - 13:35	Yorghos Voutos, Stergios Palamas, Phivos Mylonas
	<b>A user-driven platform for biodiversity conservation and promotion</b>

13:35 – 14:45: Lunch Break

<b>14:45 - 16:05</b>	<b>Session 3:</b>	<b>Learning models (probably hybrid)</b>
	Chair:	Yiannis Georgiou, Cyprus University of Technology
14:45-15:05	Christos Troussas, Akrivi Krouska, Phivos Mylonas, Cleo Sgouropoulou	
		<b>Personalized Learner Assistance through Dynamic Adaptation of Chatbot using Fuzzy Logic Knowledge Modeling</b>
15:05-15:25	Panagiotis Strousopoulos, Christos Troussas, Akrivi Krouska, Phivos Mylonas, Cleo Sgouropoulou	
		<b>Integrating Stereotype User Models for Adaptive Scenarios in Game Playing within Immersive Virtual Environments</b>
15:25-15:45	Amalia Chrysanthakopoulou, Elias Dritsas, Maria Trigka and Phivos Mylonas	
		<b>An EEG-based Application for Real-Time Mental State Recognition in Adaptive e-Learning Environment</b>
15:45-16:05	Dimitrios Christopoulos, Efstathia Chatzi, Georgios Sofianopoulos, Emmanouela Patiniotaki, Sofia Eleftheriou, Panagiotis Koromilas, Panagiotis Kaliosis, Nefeli Gkouti, Theodoros Giannakopoulos, Kosmas Petridis, Eleni Sismanidou	
		<b>Smart Subs: Subtitling app for watching live virtual dome performances</b>

16:05 – 16:30: Coffee Break

<b>16:30 - 18:30</b>	<b>Session 4:</b>	<b>Machine Learning &amp; Image Classification</b>
	Chair:	Andreas Lanitis, Cyprus University of Technology
16:30-16:50	Athanasios Kanavos, Orestis Papadimitriou, Manolis Maragoudakis	
		<b>Enhancing COVID-19 Diagnosis from Chest X-Ray Images using Deep Convolutional Neural Networks</b>
16:50-17:10	Orestis Papadimitriou, Athanasios Kanavos, Phivos Mylonas, Manolis Maragoudakis	
		<b>Advancing Weather Image Classification using Deep Convolutional Neural Networks</b>
17:10-17:30	Zenonas Theodosiou, Maria Voutsas, Constantinos Constantinou, Andreas Lanitis	
		<b>Safe vs unsafe crosswalks: Assessing the factors related to pedestrian safety</b>
17:30-17:50	Valasia Vlachopoulou, Ioannis Sarafis, Alexandros Papadopoulos	
		<b>Food Image Classification and Segmentation with Attention-based Multiple Instance Learning</b>
17:50 – 18:10	Andreas Kanavos, Phivos Mylonas	
		<b>Deep Learning Analysis of Histopathology Images for Breast Cancer Detection: A Comparative Study of ResNet and VGG Architectures</b>

18:30 – 19:00: SMAP Steering Committee Meeting

<b>19:00 - 19:45</b>	<b>PAR Contest 2023</b>	<b>Pedestrian Attributes Recognition with Multi-Task Learning</b>
	Chairs:	Antonio Greco, University of Salerno, Italy
		Bruno Vento, University of Napoli, Italy

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**20:00 – 22:00: SMAP 2023 & CAIP 2023 Welcome Cocktail**  
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**Tuesday, September 26th, 2023**

<b>09:00 - 10:30</b>	<b>Keynote</b>	<b>Improving contour detection by surround suppression of texture</b>
		<i>Prof. Nicolai Petkov</i> Bernoulli Institute of Mathematics, Computer Science and Artificial Intelligence University of Groningen, Netherlands

10:30 – 11:00: Coffee Break

<b>11:00 - 12:00</b>	<b>Session 5:</b>	<b>CLIENT</b>
	Chair:	Phivos Mylonas, University of West Attica, Greece
11:00-11:20	Vasiliki Soumpenioti, Apostolos Panagopoulos	
	<b>AI Technology in the Field of Logistics</b>	
11:20-11:40	Eleni Stai, Vasileios Karyotis, Panos Kourouthanasis, Phivos Mylonas	
	<b>A Backpressure-based Algorithm for Optimal Scheduling in Freight Management Systems</b>	
11:40-12:00	Panos Kourouthanassis, Cleopatra Bardaki, Alkiviadis Sourvinos, Vasileios Karyotis, Phivos Mylonas	
	<b>Platform Architecture and Functionality for Efficient and Intelligent Logistics</b>	

12:00 – 12:30: Closing & next SMAP announcement.

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**20:00 – 22:00: SMAP 2023 & CAIP 2023 Gala Dinner**  
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