



| Programme  |   |
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| Location: THE SKIATHOS PALACE HOTEL  |   |
| Date: Thursday, 24/5/2018  |   |
| Room: "Lalaria"  |   |
| 08:00-09:00  | Registration  |
| 09:00-11:00  | <b>Session 1A: Social networks and traveller behavior I</b>   Moderators: Odile Heddebaut, Piyushimita Thakuriah  |
|  | The walkability of Thessaloniki: citizens' perceptions - <i>Roxani Gkavra, Dimitrios Nalmpantis, Evangelos Genitsaris and Aristotelis Naniopoulos</i>   |
|  | Perception of smartphone applications about transportation among university students - <i>Charis Chalkiadakis, Rallou Taratori, Socrates Basbas and Ioannis Politis</i>   |
|  | Social networking and Driving. A study about young Greeks - <i>Theonymphi Xydianou, Pantelis Kopelias, Christos Marios Polymeropoulos and Elissavet Demiridi</i>  |
|  | Crowdsourcing and visual research methodologies to promote data collection for sustainable mobility planning - <i>Efthimios Bakogiannis, Maria Siti, Konstantinos Athanasopoulos, Avgi Vassi and Charalampos Kyriakidis</i> |
|  | Megatrends, a way to identify the future transport challenges - <i>Vladislav Maras, Mirjana Bugarinovic, Eleni Anoyrkati and Alba Lina Avarello</i>   |
|  | Unveiling the potential of C-ITS: market research analysis - <i>Ivan Zaldivar, Eleni Anoyrkati, Alexeis Garcia-Pérez, Alba Lina Avarello, Viara Bojkova, Xavier Leal and Victor Corral</i>                                  |
| Tactical urbanism: Reclaiming the right to use public spaces in Thessaloniki, Greece - <i>Margarita Angelidou</i>  |   |
| How big data affects the design of urban furniture: An approach from the perspective of industrial design - <i>Selim Hikmet Şahin and Füsün Curaoğlu</i>   |   |
| 11:00-11:30  | Coffee Break  |
| 11:30-13:30  | <b>Keynote Speakers Session</b>   Moderator: Eftihia Nathanail  |
|  | "A Geospatial Perspective on Sustainable Urban Mobility in the Era of Big Data" - <i>Prof. Bin Jiang</i>  |
|  | "Exploring social and economic implications of big data for mobility" - <i>Prof. Piyushimita Thakuriah</i>  |
| 13:30-14:00  | <b>Sponsors Session</b>   Moderator: Eftihia Nathanail  |
|  | "Attica Tollway Traffic Operations. Enhancing Road Safety with the use of new technologies" - <i>ATTIKI ODOS: Dr. Dimitris Serbis</i>   |
| 14:00-15:00  | Lunch   |
| 15:00-17:00  | <b>Session 2A: Traffic emissions and environmental impacts I</b>   Moderators: Fotini Kehagia, Dimitris Serbis  |
|  | Development of a methodology, using Multi-criteria Decision Analysis (MCDA), to choose between full pedestrianization and traffic calming area (woonerf zone type) - <i>Ioannis Vasileiadis and Dimitrios Nalmpantis</i>    |
|  | Influence of traffic emissions on urban air quality: a case study of a medium sized city - <i>Aggelos Aggelakakis, Afroditi Anagnostopoulou, Alkiviadis Tromaras and Maria Boile</i>  |
|  | Cycling as a key component of the Athenian sustainable urban mobility plan - <i>Efthimios Bakogiannis, Maria Siti, Georgia Christodouloupoulou, Christos Karolemeas and Charalampos Kyriakidis</i>                          |
|  | Assessment of CO2 footprint of the new Athens Metro line 4 during the operation phase - <i>Aristidis Giakoumis, Fotini Kehagia and Efthimios Zervas</i>   |
|  | Considerations on sustainable mobility: The contribution of cycling to the shift of transportation behaviour - <i>Elias Papastavriniadis, George Kollaras, Vasiliki Kollarou and Antonia Athanasopoulou</i>                 |
|  | Modelling travelers' behavior in the presence of reward schemes offered for green multimodal choices - <i>Amalia Polydoropoulou, Ioanna Pagoni, Athena Tsimpa and Ioannis Tsouras</i>                                       |
|  | Densification of cities or improved transport technology to curb CO2 emissions? - <i>Harald Nils Rostvik</i>  |
| Traffic and environmental rehabilitation of the Agioi Anargyroi square of the Municipality of Agioi Anargyroi – Kamatero - <i>Christina Margariti, Efthimios Zervas and Dimitrios Nalmpantis</i>   |   |
| 17:00-17:30  | Coffee Break  |
| 17:30-19:30  | <b>Session 3A: Data security and legal issues</b>   Moderators: Antonio Comi, Pantoleon Skayannis   |
|  | Major limitations and concerns regarding the integration of autonomous vehicles in urban transportation systems - <i>Panagiotis Fafoutellis and Eleni Mantouka</i>  |
|  | Data protection in smart cities: application of the EU GDPR - <i>Maria Stefanouli and Chris Economou</i>  |
|  | Connected and autonomous Vehicles – Legal issues in Greece, Europe and USA - <i>Elissavet Demiridi, Pantelis Kopelias, Eftihia Nathanail and Alexander Skabardonis</i>  |
|  | Implementing a blockchain infrastructure on top of vehicular ad hoc networks - <i>Anargyros Gkogkidis, Nikolaos Giahoudis, Georgios Spathoulas and Ioannis Anagnostopoulos</i>  |
|  | Shared autonomous electrical vehicles and urban mobility: a vision for Rome in 2035 - <i>Agostino Nuzzolo, Luca Persia, Antonio Comi and Antonio Polimeni</i>   |
|  | Do urban transport planning principles apply to Norwegian medium-sized sprawling city regions? The case of Stavanger region - <i>Daniela Mueller-Eie</i>  |
| Health related benefits of non-motorised transport: an application of the Health Economic Assessment tool of the World Health Organisation to the case of Trikala, Greece - <i>Pantoleon Skayannis, Marios Goudas, Diane Crone, Sonja Kahlmeier, Nick Cavill and Vasilena Mitsiadi</i> |   |
| Autonomous vehicles and blockchain technology are shaping the future of transportation - <i>Panagiota Georgia Saranti, Dimitra Chondrogianni and Stylianos Karatzas</i>  |   |
| 20:30-23:30  | Gala Dinner @ My Ithaki Restaurant  |

| Programme  |   |
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| Location: THE SKIATHOS PALACE HOTEL  |   |
| Date: Thursday, 24/5/2018  |   |
| Room: "Kechria"  |   |
| 08:00-09:00  | Registration  |
| 09:00-11:00  | <b>Session 1B: Public transport and demand responsive systems I</b>   Moderators: Antonio Polimeni, Mihails Savrasovs   |
|  | Evaluation of probabilistic demands usage for the online dial-a-ride problem - <i>Athanasios Lois, Athanasios Ziliaskopoulos and Tsalapatas Spyros</i>  |
|  | Understanding taxi travel demand patterns through Floating Car Data - <i>Agostino Nuzzolo, Antonio Comi, Enrica Papa and Antonio Polimeni</i>   |
|  | Critical Moment for Taxi Sector: What should be done by traditional Taxi sector after the TNC disruption? - <i>Kaan Yildizgoz and Prof. Dr. Murat Celik</i>   |
|  | Predictive maintenance for buses: Outcomes and potential from an Italian case study - <i>Maria Vittoria Corazza, Daniela Vasari, Enrico Petracci and Luigi Brambilla</i>  |
|  | Electrification of public transport: lessons from the ELIPTIC project - <i>Yannick Bousse, Maria Vittoria Corazza, Jan Kowalski, Gerhard Sessing, Diego Salzillo Arriaga and Marjorie De Belen</i>  |
|  | Conjoint Analysis for the optimization of a potential flexible transport service (FTS) in the region of Zagori, Greece - <i>Alexandros Tsoukanelis, Evangelos Genitsaris, Dimitrios Nalmpantis and Aristotelis Naniopoulos</i>            |
| Theoretical view on the designing of prototype of business model for a transport company - <i>Oksana Skorobogatova and Irina Kuzmina-Merlino</i>                                       |   |
| 11:00-11:30  | Coffee Break  |
| 14:00-15:00  | <b>Session 2B: Public transport and demand responsive systems II</b>   Moderators: Umberto Crisalli, Ioannis Politis  |
|  | Investigating potential synergies among social entrepreneurship and public transport through experts' consultation in Greece - <i>Afroditi Stamelou, Evangelos Genitsaris, Dimitrios Nalmpantis and Aristotelis Naniopoulos</i>           |
| 15:00-17:00  | Modeling transit user travel time perception in a post-economic recession era: The case of Athens, Greece - <i>Athanasios Kopsidas, Konstantinos Kepaptsoglou, Eleni Vlahogianni and Christina Iliopoulou</i>                             |
|  | The aesthetic integration of a tramway system in the urban landscape- evaluation of the visual nuisance - <i>Christos Pyrgidis, Antonios Lagarias and Alexandros Dolianitis</i>   |
|  | Redefinition of public transport in the Alto Minho region, Portugal – an overview - <i>Sara Baltazar, Luís Barreto and António Amaral</i>   |
|  | A criteria-based evaluation framework for assessing public transport related concepts resulted from collective intelligence approaches - <i>Evangelos Genitsaris, Afroditi Stamelou, Dimitrios Nalmpantis and Aristotelis Naniopoulos</i> |
|  | A concept for smart transportation user-feedback utilizing volunteered geoinformation approaches - <i>Benjamin Dienstl and Johannes Scholz</i>  |
|  | Operating resilience of severely disrupted urban transport systems - <i>Sofia Bouki, Alexandros Deloukas, Efthymia Apostolopoulou and Anna Anastasaki</i>   |
|  | Public transport in transnational peripheral areas: challenges and opportunities - <i>Federico Cavallaro and Giulia Sommacal</i>  |
| 17:00-17:30  | Coffee Break  |
| 17:30-19:30  | <b>Session 3B: Application of big data technologies in transport</b>   Moderators: Spyridon Vougias, Irina Yatskiv  |
|  | Applying unsupervised and supervised machine learning methodologies in social media textual traffic data - <i>Konstantinos Kokkinos, Eftihia Nathanail and Elpiniki Papageorgiou</i>  |
|  | Making big data real in upcoming future: the dynamic toll prices in the Portuguese highways - <i>André Ramos, Alexandra Rodrigues, Sónia Machado, Filipa Antunes, Pedro Ventura, Artur Martins and Akrivi Vivian Kiousi</i>               |
|  | Assessment of dynamic geo-positioning using multi-constellation GNSS in challenging environments - <i>Stella Strataki, David Bétaille and Urs Hugentobler</i>   |
|  | A thorough review and analysis of journey planners - <i>Dimitrios Sourlas and Eftihia Nathanail</i>   |
|  | Investigating multiple areas of mobility using mobile phone data (Smartcare) in Chile - <i>Paul Elliott and Romain Deschamps</i>  |
|  | The contribution of open big data sources and analytics tools to sustainable urban mobility - <i>Stavros Samaras-Kamilarakis, Petros Angelos Vogiatzakis, Teti Nathanail and Lambros Mitropoulos</i>                                      |
| Beyond travel time savings: Conceptualizing and modelling the individual value proposition of mobility - <i>Giuseppe Lugano, Zuzana Kurillová, Ghadir Pourhashem and Martin Hudak</i>  |   |
| Future technologies in the EU transport sector and beyond: an outlook of 2020-2035 - <i>Alkiviadis Tromaras, Aggelos Aggelakakis, Merja Hoppe, Thomas Trachsel and Eleni Anoyrkati</i> |   |
| 20:30-23:30  | Gala Dinner @ My Ithaki Restaurant  |



| Programme                           |   |   |   |
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| Location: THE SKIATHOS PALACE HOTEL |   |   |   |
| Date: Friday, 25/5/2018             |   |   |   |
| Room: "Lalaria"                     |   |   |   |
| 09:00-11:00                         | <b>Session 4A: ALLIANCE Special Session</b>   Moderators: Irina Kuzmina-Merlino, Irina Pticina<br>Integrating logistics and transportation simulation tools for long-term planning - <i>Ioannis Karakikes, Wladimir Hofmann, Lambros Mitropoulos and Mihails Savrasovs</i><br>Development and simulation of priority based control strategies of ground vehicles movements on the aerodrome - <i>Iyad Alomar, Juri Tolujew and David Weigert</i><br>Design and prototyping of IoD shared service for small and medium enterprise - <i>Aleksandrs Avdeikins and Mihails Savrasovs</i><br>Comparing the customer use and satisfaction in two Latvian transport Interchanges - <i>Irina Yatskiv and Vaira Gromule</i><br>Investigating the accessibility Level in Riga's International Coach Terminal: A comparative analysis with European Interchanges - <i>Evelina Budilovich, Vissarion Magginas, Giannis Adamos, Irina Yatskiv and Maria Tsami</i><br>Impact of critical variables on economic viability of converted diesel city bus into electric bus - <i>Kristine Malnaca and Irina Yatskiv</i><br>Shopping malls accessibility evaluation based on microscopic traffic flow simulation - <i>Mihails Savrasovs, Irina Pticina and Valery Zemljanikins</i> |   |   |
|                                     | 11:00-11:30   | Coffee Break  |   |
|                                     | 11:30-13:30   | <b>Session 5A: Data-driven infrastructure management</b>   Moderators: Socrates Basbas, Alexander Skabardonis<br>Performance evaluation of GLOSA-algorithms under realistic traffic conditions using C2I-communication - <i>Michael Kloeppe, Jan Grimm, Severin Strobl and Rico Auerswald</i><br>Have information technologies forgotten pedestrians? to what extent can it/its improve pedestrian's mobility and safety - <i>Hector Monderde-I-Bort, Socrates Basbas, Charlotta Johansson, Lars Leden and Per Garder</i><br>Trip generation rates for a University campus: the case of the Aristotle University of Thessaloniki, Greece - <i>Socrates Basbas, Konstantinos Takatzoglou, George Mintsis, Christos Taxiltaris and Ioannis Politis</i><br>An analysis on drivers' self-reported questionnaire responses, regarding aggressive driving, attitude toward cyclists and personal values - <i>Kyriakos Andronis, Nikolaos Mavridis, Alexandros Oikonomou and Socrates Basbas</i><br>Redesigning the seafront area of Pafos - <i>Spyridon Vougias, Konstantina Anastasiadou and Giorgos Vergas</i><br>Development of an aggregate indicator for evaluating sustainable urban mobility in the city of Xanthi, Greece - <i>Anastasis Tsiropoulos, Apostolos Papagiannakis and Dionisis Latinopoulos</i> |   |
|                                     |   | 13:30-14:30   | Lunch   |
|                                     |   | 14:30-16:30   | <b>Session 6A: City logistics systems</b>   Moderators: Athanasios Galanis, Daniela Mueller-Eie<br>A new gold mine? Identifying crucial factors affecting the potential of a freight tram for urban freight distribution - <i>Katrien De Langhe, Hilde Meersman, Christa Sys, Eddy Van de Voorde and Thierry Vanelslander</i><br>Development of a smart picking system in the warehouse - <i>Raitis Apsalons and Genadijs Gromovs</i><br>A conceptual framework for planning transshipment points for cargo bikes in last mile logistics - <i>Tom Assmann, Evelyn Fischer and Sebastian Bobeth</i><br>SWOT analysis for the introduction of night deliveries policy in the Municipality of Thessaloniki - <i>Efstathios Bouhouras and Socrates Basbas</i><br>Design of a digital collaborative tool to improve mobility in the Universities - <i>Ariela Goldbard, Ana Velazquez, Rodrigo Rebollo, Erick López, Octavio Mercado and Felipe Victoriano</i><br>The implementation of environmental friendly city logistics in south Baltic Region cities - <i>Stanislaw Iwan and Kinga Kijewska</i>  |
|                                     |   |   | 16:30-17:00   |
| 17:00-19:00                         |   |   | <b>Session 7A: NOVELOG Special Session</b>   Moderators: Giannis Adamos, Harald Nils Rostvik<br>Environmental aspects of urban freight movement in private sector - <i>Afroditi Anagnostopoulou and Maria Boile</i><br>Assessing traffic and environmental impacts of smart lockers logistics measure in a medium-sized municipality of Athens - <i>Vasileios Kiouisis, Eftihia Nathanail and Ioannis Karakikes</i><br>Adaptability/transferability in the city logistics measures implementation - <i>Stanislaw Iwan and Kinga Kijewska</i><br>Does the implementation of urban freight transport policies and measures affect stakeholders' behavior? - <i>Eftihia Nathanail, Giannis Adamos, Ioannis Karakikes and Lambros Mitropoulos</i><br>An agent-based simulation of retailers' ecological behavior in central urban areas. The case study of Turin - <i>Elena Maggi, Elena Vallino and Elena Beretta</i><br>Diagnostic of the European logistics and road freight transportation sector - <i>Georgia Aifadopoulou, Iraklis Stamos, Monica Giannini and Josep-Maria Salanova</i><br>Urban traffic management utilizing soft measures: A case study of Volos city - <i>Maria Karatsoli, Ioannis Karakikes and Eftihia Nathanail</i> |
|                                     | 19:00-19:15   |   | <b>Conference closure</b><br>End of CSUM2018  |

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| Date: Friday, 25/5/2018             |   |   |  |
| Room: "Kechria"                     |   |   |  |
| 09:00-11:00                         | <b>Session 4B: Traffic emissions and environmental impacts II</b>   Moderators: Apostolos Papagiannakis<br>Investigating mobility gaps in University campuses - Panagiotis Papantoniou, Eleni Vlahogianni, George Yannis, Maria Attard, Pedro Valero Mora, Eva Campos Diaz and Maria Tereza Tormo Lancero<br>Big and open data supporting sustainable mobility in smart cities – the case of Thessaloniki - <i>Georgia Aifadopoulou, Josep-Maria Salanova, Panagiotis Tzenos, Iraklis Stamos and Evangelos Mitsakis</i><br>Economic cost of urban freight GHG mitigation - <i>Christophe Rizet and Tu Thi Hoai Thu</i><br>Road traffic noise reduction and sustainable transportation: A case survey in the cities of Athens and Thessaloniki, Greece - <i>Vassilios Profillidis, George Botzoris and Athanasios Galanis</i><br>Sustainable urban mobility plans in Mediterranean port-cities: The SUMPORT project - <i>Marios Miltiadou, George Mintsis, Socrates Basbas, Christos Taxiltaris and Antonia Tsoukala</i><br>Cooperative intelligent transport systems as a policy tool for mitigating the impacts of climate change on road transport - <i>Evangelos Mitsakis and Areti Kotsi</i><br>Analysis of mobility patterns in selected University campus areas - <i>Eleni Vlahogianni, Panagiotis Papantoniou, George Yannis, Maria Attard, Alberto Regattieri, Francesco Piana and Francesco Pilati</i> |   |  |
|                                     | 11:00-11:30   | Coffee Break  |  |
|                                     | 11:30-13:30   | <b>Session 5B: Social networks and traveller behavior II</b>   Moderators: Francesco Viti<br>Investigating the role and potential impact of social media on mobility behavior - <i>Maria Karatsoli and Eftihia Nathanail</i><br>Campaigns and awareness-raising strategies on sustainable urban mobility - <i>Vissarion Magginas, Maria Karatsoli, Giannis Adamos and Eftihia Nathanail</i><br>A comparison of bicyclist attitudes in two urban areas in USA and Italy - <i>Nikiforos Stamatiadis, Giuseppina Pappalardo and Salvatore Cafiso</i><br>Behavior and perceptions of University students at pedestrian crossings - <i>Socrates Basbas, Andreas Nikiforiadis, Evaggelia Sarafianou and Nikolaos Kolonas</i><br>Influence of ICT evolution and innovation on travel and consumption behaviour for determining sustainable urban mobility - <i>Odile Heddebaut and Anne Fuzier</i><br>ProMaaS - Mobility as a Service for Professionals. Integrated sectorial business platform for multimodal cross border mobility - <i>Christophe Feltus, Adnan Imeri, Sebastien Faye, Gerald Arnould and Djamel Khadraoui</i><br>TRACE – Cycling & walking tracking data for planning and policy - <i>Pasquale Cancellara, Giacomo Lozzi, André Ramos</i><br>The use of social computing in travelers' activities preference analysis - <i>Charis Chalkiadakis, Panagiotis Iordanopoulos, Evangelos Mitsakis and Eleni Chalkia</i> |  |
|                                     |   | 13:30-14:30   | Lunch  |
|                                     |   | 14:30-16:30   | <b>Session 6B: Big data and transport modelling</b>   Moderators: Vitalii Naumov, Nikiforos Stamatiadis<br>New indicators in the performance analysis of a public transport interchange using microsimulation tools - The Colégio Militar case study - <i>André Ramos and João de Abreu E Silva</i><br>Improving the assessment of transport external costs using FCD data - <i>Livia Mannini, Ernesto Cipriani, Umberto Crisalli, Andrea Gemma and Giuseppe Vaccaro</i><br>A big data demand estimation framework for multimodal modelling of urban congested networks - <i>Guido Cantelmo and Francesco Viti</i><br>Exploring temporal and spatial structure of urban road accidents: some empirical evidences from Rome - <i>Antonio Comi, Luca Persia, Agostino Nuzzolo and Antonio Polimeni</i><br>Modeling demand for passenger transfers in the bounds of public transport network - <i>Vitalii Naumov</i><br>Microsimulation modelling of the impacts of double-parking along an urban axis - <i>Katerina Chrysostomou, Achilleas Petrou, Georgia Aifadopoulou and Maria Morfoulaki</i><br>Problems, risks and prospects of ecological safety's increase while transition to green transport - <i>Irina Makarova, Ksenia Shubenkova, Vadim Mavrin, Larisa Gabsalikhova, Gulnaz Sadygova and Timur Bakibayev</i><br>Short-term prediction of the traffic status in urban places using neural network models - <i>Georgia Aifadopoulou, Charalampos Bratsas, Kleanthis Koupidis, Aikaterini Chatzopoulou, Josep-Maria Salanova and Panagiotis Tzenos</i> |
|                                     |   |   | 16:30-17:00  |
| 17:00-19:00                         |   |   | <b>Session 7B: Transport data and analytics</b>   Moderators: Konstantinos Kokkinos, Agostino Nuzzolo<br>Measuring the spatial accessibility of public transport: the case of the new urban rail systems in the city of Thessaloniki, Greece - <i>Ioannis Baraklianos, Konstandina Karagouni and Apostolos Papagiannakis</i><br>TAToo – A Tracking for pLanning Tool applied to cycling and walking data - <i>André Ramos and João Bernardino</i><br>Combining land use, traffic and demographic data for modelling road safety performance in urban areas - <i>Efthymis Papadopoulos and Ioannis Politis</i><br>Urban form and transportation infrastructure in European cities - <i>Poulicos Prastacos and Apostolos Lagarias</i><br>Assessing the impact of changes in mobility behaviour to evaluate sustainable transport policies: case of university campuses of Politecnico di Milano - <i>Samuel Tolentino, Alberto Bertolin, Paolo Beria, Eleonora Perotto, Fabio Carlo Guerreschi, Paola Baglione and Stefano Caserini</i><br>Neural network-based road accident forecasting in transportation and public management - <i>Georgios N. Kouziokas</i><br>Assessment of drivers' perception of quality of service on urban roundabouts - <i>Maria Perpina, Efterpi Damaskou and Fotini Kehagia</i><br>Luminance adaptive dynamic background models for vision-based traffic detection - <i>Nazmul Haque, Md Hadiuzzaman, Md Yusuf Ali and Farhana Mozumder Lima</i>  |
|                                     | 19:00-19:15   |   | <b>Conference closure</b><br>End of CSUM2018   |