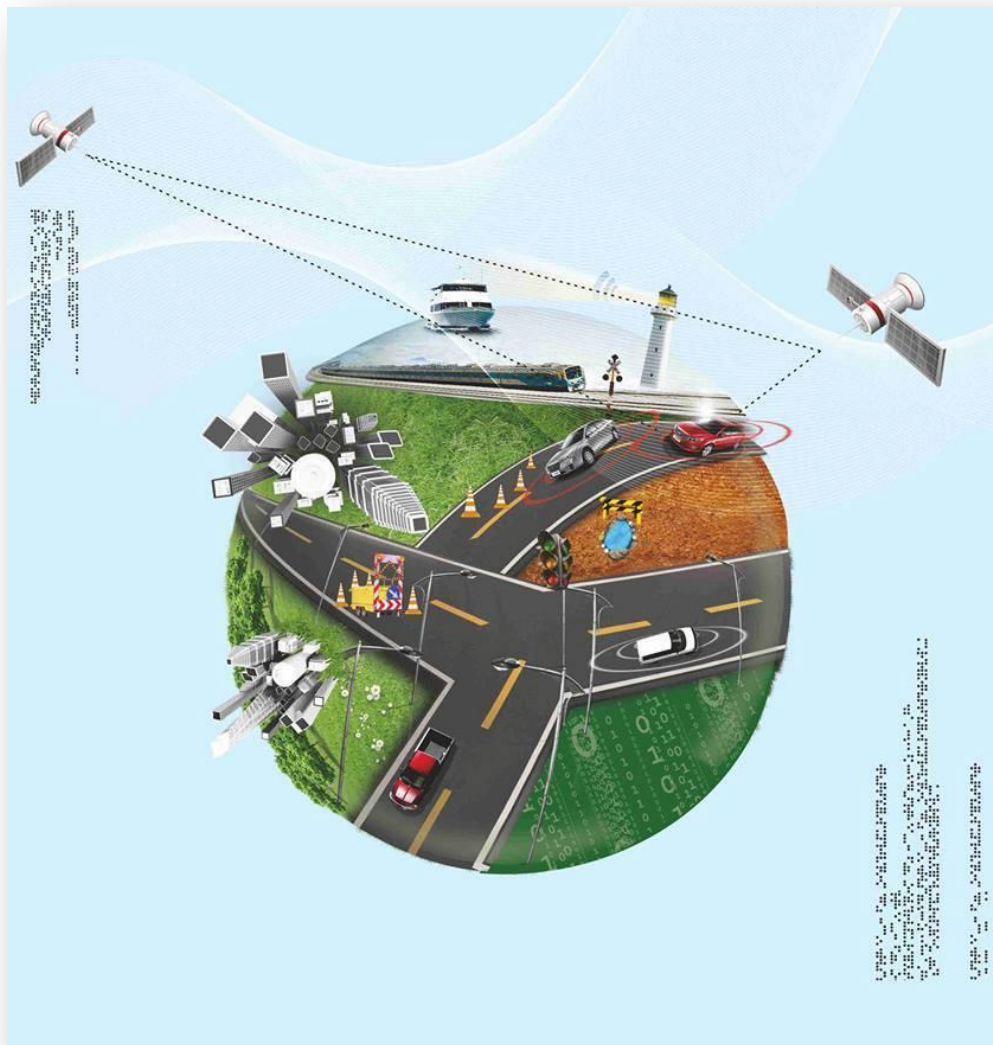


# INTELLIGENT TRANSPORTATION SYSTEMS

インテリジェントな輸送システム

## *ITS and Smart Cities 2014*



## DRAFT AGENDA

19-22 November 2014

University of Patras Conference and Cultural Center

**Wednesday 19 November 2014**

**8.00-8.45**

**Registration & Coffee**

**8.45-9.30**

**"Conference Welcome"**

Conference Representative  
University Representatives  
Dept. Civil Engineering Representative  
ITS Hellas Representative  
SES Representative

**9.30- 10.30**

**Technical Session**

**"Intelligent Transport & Management"**

**Executive speaker**

*Marcus Welz (SIEMENS)*

**"A future beyond traffic gridlock"**

**"Intelligence and Complexity in Transport Networks"**

*IBM*

**10.30-12.30**

**Session  
"European & National Policy"**

Salutation, Hellenic Ministry of Infrastructure, Transport  
and Networks (ΥΠΥΜΕΔΙ)

## "European ITS Architecture"

*Alexander Froetscher*

### Presentation of National Strategy Plan

*I. Matsas*

### Presentation of Action: National Architecture ITS/ (ΥΠΥΜΕΔΙ)

*R. Sfakianaki*

### "The future of ITS"

**12.30-14.00**

**Session**  
**"ITS Applications in EU"**

### Ministry of Transport and Networks of Cyprus (PRODROMOS)

*S. Christodoulou*

### University of Cyprus

"Development of a platform for monitoring hazardous cargo to and from ports"

### Cyprus Port Authorities

### Project GIFT

### Project GIFT

*Katsaros*

**14.00-15.00**

**Lunch**

**15.00-16.00**

**Session**

## **"Safety & Information"**

### **"Standards for Telematic Devices"**

*R. Sfakianaki*

### **"Real-time information and guidance based on road traffic and environmental criteria"**

*N. Gavanas, A. Tsakalidis, E. Verani, A. Sdoukopoulos, C. Kouridis, T. Papageorgiou, E. Blatsis, G. Melios, M. Pitsiava-Latinopoulou*

### **"Ανάπτυξη συστήματος για ασφαλή μεταφορά μαθητών"**

*K. Kotoula, M. Morfoulaki, V. Mizaras, D. Kotsopoulos*

### **"eCALL Pilot Application in Greece"**

*A. Amditis, K. Pagle, E. Portouli, P. Lytrivis*

**16.00-16.15**

## **Coffee Break**

**16.00-17.15**

**Session**

### **"Open Data and decision making (SES)"**

#### **"Users assessment and acceptance of ATIS: The case of Thessaloniki SEE-ITS System"**

*G. Grigoropoulos, K. Chrysostomou, P. Iordanopoulos, E. Mitsakis*

#### **"Cooperative Services for safe and sustainable mobility: The case of Thessaloniki "**

*G. Aifadopoulou, E. Mitsakis, JM Salanova, V. Mizaras, G. Sarros, A. Giannopoulos*

**"Monitoring indoor driver behavior using opportunistic smartphone sensor data"**

*C. Antoniou, V. Papathanasopoulou, V. Gikas, T. Mpimis, I. Markou, H. Perakis*

**"A critical overview of ICT deployment in transport in Europe"**

*M. Chatziathanasiou, A. Kortsari, Y. Tyrinopoulos*

**17.00-17.30**

**Roundtable Discussion** (Welz, IBM, Froetscher, Michalopoulos)

**Thursday 20 November 2014**

**8.30-8.45**

**Registration**

**8.45-10.00**

**Session  
"Policy"**

**"Future ITS Trends"**

*A. Froetscher*

**"Regional ITS plan of Central Macedonia"**

*I. Tsakiridou, K. Konstantinou, E. Mitsakis, P. Iordanopoulos*

**"Application of collaborative and elastic transport solutions in Greece"**

*K. Pagle, A. Amditis, G. Sarros, A. Giannopoulos, A. Ballis, G. Lyberopoulos*

**"Disentangling European Technology Heterogeneity. European Transportation Performance vs European Manufacturing Performance under a Meta-meta-frontier framework. Which side are you on?"**

*K. Tsekouras, N. Chatzistamoulou, K. Kounetas*

**10.00-10.45**

**Session  
"Motorways"**

**"Η χρήση των ITS στη λειτουργία ενός σύγχρονου αυτοκινητόδρομου"**

*B. Halkias*

**"Οι δυνατότητες και οι προοπτικές της ηλεκτρονικής συλλογής διοδίων στην Ελλάδα"**

*E. Tirogianni, D. Mandalozis, N. Kalfa, A. Politou*

**"Daring Urban Mobility - Upgrading Systems through Standardisation "**

*I. Matsas*

**10.45-11.15**

**Distinguished Lecture  
Panos Michalopoulos**

**11.15-11.30**

**Coffee Break**

**11.30-12.00**

**Invited Lecture**

**"Tourism: Using existing customers to attain more tourists"**

*Victor Namnum*

**12.00-13.00**

**Session**

**"Intelligent Infrastructure"**

**"Greek Interoperable Systems - Lessons learned by the implementation & first year of operation of ETC interoperability in five Concessions in Greece"**

*K. Papandreou, J. Harito, I. Nassoulis, B. Galtier, I. Dimitropoulos, K. Antiochos, T. Siozopoulos*

**"Intelligent Road Infrastructure Management"**

*N. Moschonas, P. Iliakopoulos, A. Chassiakos*

**"Διαχείριση της Συντήρησης Οδικών Γεφυρών από Σεισμικό Κίνδυνο"**

*P. Tsikas, I. Diamantakou, A Boudouri, A. Chassiakos*

**"Evaluation of driving behavior for Attiki Odos patrols with in-Vehicle Driver Assistant Systems"**

*F. Papadimitriou, G. Kiouisis, P. Kopelias, M. Maltezakis*

**"Ανίχνευση παραβάσεων σε ειδικές λωρίδες κυκλοφορίας"**

*E. Τζελέπης*

**13.00-14.00**

**Lunch**

**14.00-15.30**

**Session  
"Logistics"**

**"Smart Logistics: Turning real-time data into personalised customer experience"**

*V. Namnum*

**"Technological Innovation in Supply Chains"**

*K. Haniotis*

**"Measurement fleet performance according to KPIs"**

*I. Simkova*

**"Optimization of the transportation of goods from Adriatic Sea to Black Sea"**

*F. Varouchou, D. Hondroyanni*

**" Architectural Modules of a Dynamic Collection Management System of Urban Solid Waste"**

*G. Asimakopoulos, S. Christodoulou, A. Gizas, V.*



Triantafyllou, J. Gialelis, A. Voyiatzis

**"A rule based Intelligent System for assisting bus fleet scheduling "**

*D. Chalvatzaras, S. Daskalaki*

**15.30-15.45**

**Coffee Break**

**15.45-16.45**

**Session  
GUIDEPORT**

**"Intelligent Ports"**

*Y. Stephanedes*

**ΟΛΘ- "Thessaloniki Port: Current ICT status in the container terminal and future prospects"**

**ΟΛΑ**

**ΟΛΗ**

**16.45-17.15**

**Roundtable discussion with Ports**

**Friday 21 November 2014**

**8:30-8.45**

**Registration**

**8.45-10.00**

**Session "Intelligent Traffic Management & Safety"**

**"Microscopic Analysis of vehicle behavior in a cluster under the influence of shockwaves in motorways"**

*M. Peppe, Y. Stephanedes*

**"Applications V2V/V2I for the enhancement of road safety and for the improvement of traffic conditions (EXECHON: RD Project) (Topic: Cooperative Systems)"**

*D. Mandalozis, N. Kalfa, P. Kopelias, E. Leligkou, I. Papaefstathiou*

**"Συστήματα Πρόβλεψης Μετακινήσεων για την ολοκληρωμένη διαχείριση αυτοκινητοδρόμου: Σαν Ντιέγκο, Ηνωμένες Πολιτείες Αμερικής"**

*D. Triantafyllos, A. Torday, JM Aymami, J. Kasas*

**"Real-time estimation of shockwaves"**

*C. Gioldasis*

**10.00-11.00**

**Session  
"Smart Cities 1"**

**Plenary Speech**

**"The need of Intelligent Decision Support Systems (IDSS) in developing intelligent cities of the future"**

*P. Groumpos*

**" Development of green transport policy analysis platform in island areas context"**

*I. Tsouros*

**"The use of smart monitoring as a tool towards smarter cities. The case study of Corfu island"**

*S. Stravoravdis, M. Avlonitis*

**" Smart Cities, Transportation and Meteorology - a brief overview of potential applications"**

*A. Argiriou, A. Kazantzidis, I. Kioutsioukis*

**11.00-11.15**

**Coffee Break**

**11.15-12.45**

**Session  
"Smart Cities 2"**

**"Energy Efficiency in public buildings"**

*D. Stimoniaris, D. Tsiamitros, V. Zacharaki, F. Dialynas, T. Kottas, S. Maropoulos, M. Stefanovski, Z. Stepanovski, I. Milosovska, K. Mikalevski, V. Karagiannis, T. Papatou, E. Dialynas*

**"An intelligent software tool for energy efficiency of buildings"**

*V. Mpelogianni, P. Grouppos*

**"Supervised learning methods for hybrid renewable energy systems in smart green cities using fuzzy cognitive maps"**

*P. Grouppos*

**"Ευφρεις Πόλεις και Ευφρεις Προμήθειες"**

*K. Marousi, H. Sipeas*

## **GRASP "Green Procurement and smart city support in the energy sector"**

*B. Coccetta*

## **REMIDA**

*Patsoules*

## **"Smart Families for Smart Cities"**

*B. Coccetta*

**12.45-14.00**

## **Session "Green Transportation and Smart Cities"**

**" GREENYOURROUTE: A web based platform which helps individuals and companies move commodities with a most environmental friendly way, minimising emissions and transportation cost"**

*G. Saharidis*

**"Methodology for optimizing train driving energy consumption using driving patterns and simulated annealing heuristics"**

*A. Dalkalitsis, A. Lois, N. Athanasopoulos, A. Ziliaskopoulos*

**"EV wireless charging demands analysis for values traffic patterns and environments"**

*T. Theodoropoulos, Y. Damousis, A. Amditis, J. Sallan, H. Bludszuweit*

**" Deconstructing the complexity of smart urban processes based on their degree of 'emergency': Two case studies from the fields of health and urbanism"**

*A. Vlachou, A. Stephanede, D. Papalexopoulos, K. Serraos, A. Dinopoulos*

**"Dynamic Carpooling. Introducing an innovative way of**

transport in the modern greek reality"

*M. Xyga*

**14.00-15.00**

**Lunch**

**15.00-15.45**

**Session**

**"Intelligent Ports & Green Networks"**

**" Βραχυπρόθεσμο μοντέλο πρόβλεψης κυκλοφορίας σε πόλεις με λιμάνια"**

*JM Salanova Grau, E.Mitsakis, G. Aifadopoulou, P. Tzenos, I. Tamiakis, E. Haniotakis, I. Stamos*

**"Simulation of vehicle traffic in the new port of Patras"**

*M.I. Sotiropoulou, V. Manioti, I. Kottis*

**"ITS Solutions optimizing adaptation of Transport networks to climate change"**

*R. Sfakianaki*

**15.45-16.15**

**Roundtable Discussion (Groumpos, Argiriou, Coccetta, Sfakianaki)**

**16.15-17.15**

**Conclusions\_Awards\_Certificates**