

**3rd International Conference on  
"Energy, Sustainability and Climate  
Change"**

**ESCC 2016**

**Conference Program**

**Marathon - Athens, Greece, July 10-16, 2016**

### Conference Venue

The conference will take place at Cabo Verde Hotel (location Log/Lat: 38.046518, 23.998308). Cabo Verde Hotel is just 22 minutes driving distance from Athens International Airport (location log/lat: 37.935964, 23.948467) and approximately 35-40 minutes from the Athens city center (location log/lat: 37.980710, 23.734919). Cabo Verde Hotel is located in the historical region of Marathon and is just 12 minutes from the Tomb (Location Log/Lat: 38.117814, 23.978366) of the Athenians, 18 minutes from the beginning of marathon run (Location, log/Lat: 38.152649, 23.961064) and 24 minutes from the famous beach of Karavi Schinias (Location Log/Lat: 38.133274, 24.013286).

For more information please go to: [www.caboverde.gr](http://www.caboverde.gr), [info@caboverde.gr](mailto:info@caboverde.gr)

The exact address of the venue is: "Leoforos Posidonos 39 Nea Makri, 19005, Greece.  
GPS coordinates. 38.046518, 23.998308

### Chairmen of the Conference:

Dr. Panos Pardalos (University of Florida, USA)

Dr. Georgios K.D. Saharidis (University of Thessaly, Greece)

### Sessions

Session 1: Energy – Emissions	(Monday, 11 July, 11:15-13:15)
Session 2: U Turn	(Tuesday, 12 July, 11:15-13:15)
Session 3: GreenYourMove - Sustainability	(Thursday, 14 July, 11:15-13:15)
Session 4: Optimization	(Friday, 15 July, 11:15-13:15)



## Program Summary

### Sunday, 10 July 2016

19:30 -20:30 Welcome Cocktail

### Monday, 11 July 2016

09:00-9:30 Registration

09:30-11:00 Invited Talk Natural gas storage valuation using support vector machine regression

**Professor Theodore Trafalis**

11:00-11:15 Coffee Break

11:15-13:15 Session 1: Energy - Emissions

13:30 -14:30 Lunch & Coffee

### Tuesday, 12 July 2016

09:30-11:00 Plenary Talk: Characterization, Analysis and Philosophy of Complex Networks

**Assistant Professor Stefan Pickl**

11:00-11:15 Coffee Break

11:15-13:15 Session 2: U Turn

13:30 -14:30 Lunch & Coffee

20:30 ESCC Dinner at Fragma Restaurant

### Wednesday, 13 July 2016

09:30-12:00 Poster Session 1: Transport

### Thursday, 14 July 2016

09:30-11:00 Invited Talk: Optimization, Modeling, and Data Sciences for Energy Systems

**Professor Panos Pardalos**

11:00-11:15 Coffee Break

11:15-13:15 Session 3: GreenYourMove – Sustainability

13:30 -14:30 Lunch & Coffee



## Friday, 15 July 2016

09:30-11:00 Plenary Talk: Conflict Zones and Conflict Resolution in the Arctic Region

**Professor Fuad Aleskerov**

11:00-11:15 Coffee Break

11:15-13:15 Session 4: Optimization

13:30 -14:30 Lunch & Coffee

## Saturday, 16 July 2016

09:30-12:00 Poster Session 2: Emissions

## Sessions – Regular Presentations

### Monday, 11 July 2016

#### Session 1: Energy - Emissions (11:15-13:15)

**Chairman: D. Cinar**

- (1) A.K. Demin, A.N. Volkov, E.V. Gorbova & P. Tsiakaras "Advanced gas-sensors based on solid oxide proton electrolytes".
- (2) M. Vondra "Thickening of Liquid digestate using Multi-stage Flash Distillation: Integration and Optimization of Biogas Plant Unit".
- (3) E.V. Gorbova, A.N. Volkov, A.K. Demin & P. Tsiakaras "An electrochemical device for the analysis of ammonia in nitrogen".
- (4) P. Bobák "Costs Optimization of Reduction of Residual Moisture Content from Linen after Washing in Commercial Laundries".

### Tuesday, 12 July 2016

**Chairman: D. Zissis**

#### Session 2: U Turn (11:15-13:15)

- (1) D. Zissis, E. Aktas & M. Bourlakis "A Sustainable Logistics Model in the Food Supply Chain".
- (2) A. Gialos, A. Ntzoufas & V. Zeimpekis "Urban Consolidation Centers: State-of-the-art, best practices and operational challenges".
- (3) P. Eirinakis & I. Mourtos "Pareto-optimal Allocations".
- (4) T. Trachana, E. Zampou & K. Pramadari "Understanding the Meaning of Collaboration in the Logistics: Empirical Evidence from the Fast Moving Consumer Goods Industry".

### Thursday, 14 July 2016

#### Session 3: GreenYourMove – Sustainability (11:15-13:15)

**Chairman: A. Demin**

- (1) F. Kvacek & T. Chlebničan "Public transport data and services: Czech and Slovak experience".
- (2) J. Harting & F. Burgersdijk "Travel information toolbox".
- (3) M. Carvalho & B. Mathewos "Building Resilient Infrastructures for Natural Disasters".
- (4) P. Katsis, M. Kastori, C. Kouridis, G. Mellios, G.K.D. Saharidis, A. Termoutzidou & N. Andritsos "Environmental optimization of a co-modal passenger trip".



## Friday, 15 July 2016

### Session 4: Optimization (11:15-13:15)

Chairman: G. Saharidis

- (1) A. Fragogios, G.K.D. Saharidis, A. Fakhri & M. Ghatte "Benders Decomposition with integer subproblem".
- (2) D. Rizopoulos, G.K.D. Saharidis, A. Fragogios, C. Hatzigeorgiou & N. Ksygkis "Journey Planning Problem".
- (3) D. Cinar, K. Gakis & P.M. Pardalos "Comparison of Algorithms for Traveling Salesperson Problems Minimizing Fuel Consumption".
- (4) N.A. Diangelakis & E.N. Pistikopoulos "A multi-scale energy systems engineering approach on residential scale cogeneration".

## Poster Session

### Wednesday, 13 July 2016

Session 1: Transport (09:30-12:00)

### Saturday, 16 July 2016

Session 2: Emissions (09:30-12:00)

## Emergency Telephone Numbers

Police	100
Medical Emergency	166
Fire	199
Dr. Saharidis	(+30)6977404429



UNIVERSITY OF THESSALY

