

## Dr Pantelis Kopelias

### Lecturer

Civil Engineering Department | University of Thessaly-UTH

Pedion Areos GR-38334, Volos Greece

Tel. +302421074165 Fax +302421074119

Email. [kopelias@uth.gr](mailto:kopelias@uth.gr) | Site. <http://kopelias.users.uth.gr>

Dr Pantelis Kopelias is a Lecturer at School of Civil Engineering at University of Thessaly (city of Volos, Greece). He holds a Diploma in Civil Engineering (1997) and a PhD (2002) in Traffic Engineering and Road Safety from Aristotle University of Thessaloniki. He teaches *Road Operations, Traffic Engineering and Management and Pavement Maintenance and Management*. He has significant experience in Traffic Operations and Maintenance and in Traffic and Incident Management. He has participated in several EU Research and Development projects and Traffic studies in the area of Traffic Management, Road Safety and ITS. His scientific papers focus on Traffic Operations, Incident Management, Road Safety, Traffic Information Schemes in cases of major incidents and Real time Traffic Operations.

#### Key Recent Publications

A. Spiliopoulou A., Kontorinaki M., Papageorgiou M, Kopelias P. (2014) Macroscopic traffic flow model validation at congested freeway off-ramp areas Transportation Research Part C (41) pp 18-29

Vardaki S., Papadimitriou F., Kopelias P. (2014) Road safety audit on a major freeway: implementing safety improvements, European Transport Research Review (DOI) 10.1007/s12544-014-0138-0

Vogiatzis K., Kopelias P., Mandalozis D., Kalfa N., (2014) Acoustic Sustainable Environment Through Freeway Traffic Management Actions, Proceedings of the 21st International Congress on Sound and Vibration (ICSV21), Beijing, China

Yildirimoglu M., Limniati Y., Kopelias P., Geroliminis N. (2014) Linking the Properties of Mean-Variance Relations in Travel Times with the Hysteresis in Macroscopic Fundamental Diagram Proceedings of the International Conference on "Engineering and Applied Sciences Optimization" (OPT-i), NTUA, Kos Island, Greece

Kopelias P, K. E. Vogiatzis, A. Skabardonis, (2013) "The impact of congestion management on air pollution emissions in urban freeways", Int. Journal of Sustainable Development & Planning, Vol. 8, No 3, WIT PRESS, pp 400-412

Kopelias P., Papadimitriou F., Skabardonis A., Christofa E. (2010) Application of Advanced Analysis Tools for Freeway Performance Measurement, 12th World Conference on Transport Research (WCTR), Portugal

Vlahogianni E., Karlaftis M., Kopelias P. (2010) Modeling Freeway Travel Speed Across Lanes: A Vector Autoregressive Approach, 13th International IEEE Annual Conference on Intelligent Transportation Systems, Portugal

Antoniou C., Kopelias P. Papadimitriou F. (2010) Active Traffic Management Applications in Greece. The case of Attica Tollway, 13th International IEEE Annual Conference on Intelligent Transportation Systems, Portugal