

## Dr Harry Evdorides Dipl.-Ing PhD CEng EurIng MIHT

Lecturer  
Welfare Tutor  
Senior Road Executives Programme Leader

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### About

Dr Evdorides obtained a Dipl. Ing. in Civil Engineering from the Aristotle University of Thessaloniki, Greece. He joined the Highways Group in 1990 as a research student and in 1994 was admitted to the degree of PhD (Civil Engineering) having carried out research that led to "A Prototype Knowledge-Based System for Pavement Analysis".

Subsequently working at the University as a research fellow in a number of R&D projects, Dr Evdorides was awarded the title of Eurlng (FEANI) in 2000. Two years later he was appointed lecturer in Road Asset Management and Convenor of the MSc Road Management and Engineering Programme.

Harry has represented the University of Birmingham at the International Road Federation (IRF) since 2003, establishing the MSc Roads and Public Policy in 2004. In 2008 he was appointed to Acting Programme Manager of the Department of Civil Engineering and became the leading academic of the Accident Research Group.

### Teaching

- Road Asset Management, MScRME
- Maintenance of Roads and Bridges, MScRME
- Individual Research Project, MScRME
- Research and Communication Skills, MScRME and MScCM
- Guided Study, 3rd Year BEng Civil Engineering
- Research/Computational Project, 3rd Year BEng Civil Engineering
- Champion for Week 2 of the Senior Road Executives Programme (covering Institutional Issues and Reforms of the Road Sector)

### Research

His main research interests are in highway asset management and engineering. He has participated in a number of research projects including:

- Structural evaluation of road pavements
- Development of expert systems for pavement analysis
- Investigation of the usage of Finite Elements for Falling Weight Deflectometer data analysis
- Road pavement performance modelling
- Road Infrastructure Maintenance Evaluation Study (RIMES)
- ARMBUILD – Tempus TACIS programme
- Road safety and road accident related data analysis (TRACE and CCIS projects)
- Pavement design for developing countries

Dr Evdorides has been supervising a number of MPhil/PhD and MSc projects. A selection of the topics concerned includes:

- Road Data Reliability
- Pavement Performance Prediction
- Sustainable Pavement Management
- Pavement Design
- Genetic Algorithms and Multi-Criteria Analysis for Road Works Programming
- Road Cracking Modelling
- Data Integrity
- Road Data Collection Strategies

### Other activities

Awards

## Publications

M.S.Snaith and H.T.Evdorides (1994) "A Systematic Knowledge-Based Approach to the Structural Analysis of Pavements", Proc., 4th Int. Conf. Bearing Capacity of Roads and Airfields, Minnesota, USA.

H T Evdorides & M S Snaith (1996), "A Knowledge-Based Analysis Process for Road Pavement Condition Assessment", Proceedings, Transport, The Institution of Civil Engineers, 117, Aug., United Kingdom, pp 202-210. (Telford Premium)

M. P. N. Burrow, H. T. Evdorides and M. S. Snaith, (2000), "Road Marking Assessment Using Digital Image Analysis", Proceedings, The Institution of Civil Engineers, Transport, Vol. 141, Issue May 2000, United Kingdom, pp 107-112.

N. Rivière, H. T Evdorides, H. G. R. Kerali, A. Spagnol, (2000), "Système de Programmation des Travaux d'Entretien des Chaussées", RGRA (Revue Générale des Routes et Aéroports), France, Octobre 2000, Numero 788, pp 20-25.

Burrow, M.P.N., Evdorides, H.T. and Snaith, M.S.(2003) "Segmentation algorithms for road marking digital image analysis" Procs of the Institution of Civil Engineers, Transport Board, Vol 156, pp17-28, ISSN 0965 0946.

H T Evdorides, H G R Kerali, N Rivière, J K Ørnskov. (2003), "Condition-Based Method for Programming Road Infrastructure Maintenance", Transportation Research Record 1816, TRB, pp 10-15.

M P N Burrow, H Evdorides, B Hallam, R J Freer-Hewish, "Developing Formative Assessments for Postgraduate Students in Engineering", European Journal of Engineering Education, Volume 30, Number 2 / May 2005, Taylor & Francis, pp 255-263

H. T. Evdorides M Anyala and M. S. Snaith, (2006) "An analytical study of road pavement fatigue", Procs of the Institution of Civil Engineers, Transport, Vol Volume: 159, Issue 2, Pages: 93 - 100

M Bernhard, H Evdorides, J-C Roffé, J Shewmaker, 'Maintenance of road signs, markings and other safety assets: a cost effective means of optimising road safety', An International Road Federation Publication, Geneva, 2006.

H Evdorides M P N Burrow S Suherman (2007) 'A Reliability Study Of Pavement Performance Prediction', 4th International Conference Bituminous Mixtures and Pavements Thessaloniki, Greece, 19-20 April 2007

H Evdorides (2007) Training of Senior Road Executives, Special Session, XXIIIrd World Road Congress, PIARC, Paris, 18 September 2007.

