

Major Research Grants & Contracts



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MAJOR RESEARCH GRANTS & CONTRACTS

Project Title	Start - End Date	Role	Funding Body	Funding (£k)	
				In-Kind	Cash
Micro-Mechanical Interpretation of Moisture Induced Damage in Asphalt	1/12 - 1/15	Principal Investigator	EPSRC	79	476
Smart Maintenance and Analysis of Transport Infrastructure (SMART RAIL)	9/11 - 9/14	Principal Investigator (De Montfort)	EU FP7		110
Centre for Advanced Measurements in Engineering Research Applications (CAMERA)	1/09 - 4/11	Principal Investigator	CIF		1,700
Physicochemical Characterisation of Bituminous Bound Composite Paving Materials	11/09-4/11	Co-Investigator	EPSRC		202
Training in European Asset Health Management (TEAM)	11/09-10/13	Principal Investigator (Nottingham)	European Union FP7 Marie Curie Initial Training Network		379
Infrastructure Asset Management	3/09-2/14	Principal Investigator	Network Rail RAEng	300	1087 217
End of Life Strategies for Asphalt Pavements (RE-ROAD)	1/09-12/12	Principal Investigator (Nottingham)	European Union FP7		141
Development of a Hollow Cylinder Apparatus to investigate the shearing characteristics of asphalt	9/08-8/11	Co-Investigator	EPSRC Highways Agency Aggregate Industries Scott Wilson	6 9 10	470 40 9
Advanced Safety and Driver Support for Essential Road Transport (ASSET)	7/08-12/11	Principal Investigator (Nottingham)	European Union FP7		157
Improving Asphalt Mixture Performance through Surface Chemistry, Adhesion and Micro-Structural Characterisation	10/07-3/09	Co-Investigator	EPSRC		152
Pavement and Rail-Track Engineering Platform Grant (2 nd Extension)	10/08-9/12	Principal Investigator	EPSRC		684

Implementing Asphalt Durability Tests	3/07-11/08	Principal Investigator	Highways Agency	75
Confidential Project	3/07-9/09	Co-Investigator	Anonymous	275
Development of the Leutner Test	2/06-9/07	Principal Investigator	Highways Agency	94
Long-life asphalt surfacings	3/05-2/06	Principal Investigator	Highways Agency	53
X-Ray Computed Tomography (CT) System	12/04 - 11/07	Principal Investigator	EPSRC	284
Development and FE implementation of a non-linear constitutive model for asphalt	4/04 - 3/07	Principal Investigator	EPSRC	418
Pavement and Rail-Track Engineering Platform Grant (Extension)	7/04 - 6/08	Joint Principal Investigator	Industry	34
Development of the SATS test	9/03 - 8/05	Principal Investigator	EPSRC	421
Micro Mechanics of Railway Ballast Degradation	3/03 - 2/06	Co-Investigator	Highways Agency	74
			EPSRC	399
			Industry	47
Bond Between Bituminous Layers	2/03 - 1/05	Principal Investigator	Highways Agency	108
The influence of laboratory compaction methods on the performance of asphalt mixture	1/03 - 12/05	Co-Investigator	EPSRC	297
			Highways Agency	6
			Industry	59
Micro-mechanical modelling of asphalt	10/02 - 9/05	Principal Investigator	NARC	54
Implications for Ireland's Road Infrastructure of Heavier European Trucks	9/02 - 8/05	Consultant	HEA Ireland	104
The importance of ballast quality in minimising waste from rail trackbed renewals'	4/02 - 9/03	Co-Investigator	Lafarge Aggregates	80
Mechanical and chemical performance of bitumens and asphalts	7/01 - 6/11	Joint Principal Investigator	Shell Bitumen	4,600
Masters Training Package in Road Management (led by the University of Birmingham)	7/01 - 9/06	Co-Investigator	EPSRC	321
Optimising the returns from long-life roads	11/00 - 10/03	Principal Investigator	Highways Agency	186
Characterisation of dry process crumb rubber modified asphalt mixtures	10/00 - 9/03	Co-Investigator	EPSRC	258
			Highways Agency	5
			Industry	58
Chamber tops and gully tops for road drainage and services: Installation and maintenance	1/00 - 1/02	Principal Investigator	Highways Agency	49
Railway Trackbed Engineering	9/99 - 8/01	Academic Supervisor	Teaching Company Scheme	39
			Scott Wilson Railways	42
The Importance of Bond Between Pavement Layers	8/99 - 6/02	Principal Investigator	EPSRC	194
			Nynas UK	3
			Industry	18
Mechanical properties of road ironwork/pavement systems	9/98 - 5/02	Principal Investigator	EPSRC	259
			DfT	63
			Saint Gobain Pipelines	79
				30

				Phi Design	177	30
				Industry	68	
	Mechanical performance of high modulus roadbase materials	6/98 - 5/01	Principal Investigator	EPSRC		172
	Nottingham Asphalt Research Consortium	12/97 - date	Joint Principal Investigator	Industry (34 no. organisations)	22	135
	Transient ground movements caused by high speed trains crossing soft soils	8/97 - 7/99	Co-Investigator	EPSRC		133
				Industry	35	
	Mechanical performance of impact absorbing asphalt	7/97 - 7/00	Principal Investigator	EPSRC		165
				Industry	73	
					TOTAL	16,390