

Curriculum Vitae: JOHN CHARLES BULLAS

PERSONAL DETAILS

BULLAS John Charles

Resident: Southampton UK

Tel On application

Email: johnbullas@worldfolk.com

EDUCATION

**MSc Geotechnical Engineering
University of Surrey (1988-1991)**

Access to Programming (C&G)

Runshaw College Leyland (2000-2001)

4 'A' Levels (Geog, Geol, Maths/Stats, Gen Studies)

Runshaw College Leyland (1981-1983)

1 'A/O' Level (Maths/Stats) , 8 'O' Levels (incl Eng Lang & Maths) - All Grades A or B

Southlands High School Chorley (1976-1981)

BSc (Hons) Geology

University of Liverpool 2i (1983-1987)

JOB RELATED TRAINING

"Selling - The Essentials for Success": Structured Training Limited 1995

(I) Initial Management, (II) Report Writing: RTCC Cardington / LBH 1988

Statistical Analysis of Data/Analysis of Variance: University of Reading 1990

SKID DOT Software Introductory Course: Leeds DOT Computing Centre 1990

AFFILIATIONS

Member of the Institution of Highways and Transportation (MIHT) / Fellow of the Geological Society (FGS)

EMPLOYMENT HISTORY

Current: University of Southampton, Highfield, Southampton, UK

10/2003 - PhD 2003-2005 Transportation Research Group: "Early Life Friction Characteristics of New Generation Negatively Textured Road Surfaces" (subject to confirmation)

***Dynatest (UK) Limited
Moir, Derbyshire DE12 6EJ***

06/2003-10/2003 : CONSULTING ENGINEER (FRICTION). Business development and technical support for UK wet/dry friction testing interests (1295/6850 Friction testers). Importation logistics of US test equipment. Liaison between UK office and Local Authorities Highway Agency (HA). UK division of US/Denmark based international consultant engineers. <http://www.dynatest.com/hardware/pavementfriction.htm>

Technical Advice Group
Hampshire County council, Winchester

05/2001-06/2003 : RESEARCH OFFICER. Carrying out research for a project jointly funded by the AA Foundation for Road Safety and the CSS (formerly County Surveyors Society) - Road Surface Characteristics, Accident Statistics, Analysis, Presentations, Data Mining End User (SolEUNet) liaison with DETR, TRL, HED, HA, Local Authorities, Report writing. For details : Search Bullas CSS at www.google.com

<http://195.167.162.28/aafoundation/> <http://www.cssnet.org.uk/>

NHS DIRECT Hampshire & I.O.W. (www.nhsdirect.nhs.uk)
Hampshire Ambulance Service NHS Trust

02/2001- 05/2001 : HEALTH INFORMATION ASSISTANT. Shift Pattern first Line Telephone Contact for ALL medical enquiries from the General Public to the National 0845 46 47 Number including Out-of-Hours GP coverage for IOW and New Forest - directing Enquires including some emergency calls to Nurse Advisors / Information Advisors.

Above Concurrent with..... MARKETEEING.NET (www.marketeeing.net) / METAMERISM

02/2000 - IT Support (web design/hosting/ email & pc set-up) to past customers/contacts/friends

HOBEN INDUSTRIAL MINERALS LIMITED (www.sightgrip.com)
Brassington (Part of Goodwin Group Plc)

07/1996 - 02/2000: SightGRIP PRODUCT DEVELOPMENT MANAGER - (Initially SightGRIP Project Manager)

Reporting to the Group Chairman J W Goodwin (Goodwin Plc) with responsibility for:

Identifying and Managing on-going product testing and trials. Client base: Local Authorities, Consulting Engineers and Architects. Preparation of editorials, journal papers, web text , advertising copy. Representation of the company at exhibitions and seminars. Sales and Marketing, Presentations at all Levels. SightGRIP is a coloured bauxite used in combination with high-friction surfacing binders for specialist surfacing.

Technical support to Stirling Lloyd, Colas ,Tarmac ,ESS ,ESM ,Associated Asphalt ,Jobling Purser ,Glendinings as required (directly with their clients when required)

D.S.F. REFRACTORIES & MINERALS LIMITED (www.dsf.co.uk) Newhaven - Derby

06/1995- 06/1996 PROCESS MINERALS SALES MANAGER Field Sales nation-wide aggregate for high-friction and refractory applications- Sales in excess of £4.1m per annum

TRANSPORT RESEARCH LABORATORY (www.trl.co.uk) Crowthorne

Responsible for original research in the context of the 'Skidding Standard' "Brown Book" and other areas.

Attended the PIARC (<http://www.piarc.org/>) International Experiment for the unification of skidding/texture measurement Belgium and Spain, as sole TRL technical representative on-site (<http://www.piarc.org/pub/01-04-e.htm>) . Real time and follow on analysis and presentation of TRL results. Provided data analysis and SCRIM technical support to other overseas teams.

1990- 04/1995 HIGHER SCIENTIFIC OFFICER (HSO) - Research on behalf of the Department of Transport's Highways Engineering Division studying the whole life energy costs of flexible and concrete road designs.

Original research relating to the inter-relationship of a number of existing and proposed EC laboratory tests - Investigation into the Correlation of Micro-Deval and AAV, The Effect of particle size on PSV (unpublished Working Papers)

Supervised and operated on-site a number of TRL designed road testing devices including HSTM and SCRIM/SCRIMTEX, some experience of working with GripTester via PIARC trial and working with North Yorkshire CC team during UK research project (see reference 6)

Worked with Les Tubey and Peter Roe in collection of network SMTD data and some analysis of STATS19 data for:

RR296 - The relation between the surface texture of roads and accidents. 1991 P G Roe, D C Webster, G West

Used Scrimtex/SCRIM along with Local Authority/TMC information to extend the correlation of SFC/MSSC PSV and CVD for traffic flows in excess of 3200 CVD (LR 510 limit): this required the collection and analysis of over 450 km of MSSC/PSV/Site Category/CVD data, providing data base and initial analysis for:

TRL322 - The polished Stone Value of aggregates and in-service skidding resistance P G Roe, S A Hartshorne.

a development of...

WP/MC/45 : The relation between skidding resistance, polishing resistance and traffic on heavily trafficked roads Bullas,JC Roe,PG

Datum marking and subsequent data collection/analysis for a number of MSSC / SMTD monitoring sites using HSTM and SCRIM/SCRIMTEX nation-wide (Hull, M1, A59, A34, a30 etc....) for novel surfacing (Ecopave / Porous Asphalt) and re-texturing trials.

Extensive Lab based research backed by data from test laboratories nation-wide leading to:

TRRL RR284 - Specifying clean, hard and durable aggregate for bitumen macadam roadbase. 1991, J C Bullas, G West (Reference 2)

Technical support for W F Stanley clients relating to their Portable Skid Resistance Tester ("The Pendulum")

09/1987-1990 SCIENTIFIC OFFICER (SO)

Proposed amendments to the British Standard Ten Percent Fines Value (TPV) and aggregate Abrasion Value (AAV) test procedures (as published in QJEG Reference 1) - improvement of the accuracy of estimating TPV load from AIV based on lithology. Trained as graduate recruit by Les Tubey, Peter Roe and Graham West.

EXPERIENCE AND PERSONAL SKILLS

Transferred from a pure research (TRL) to a commercial technical sales/research environment (Hoben/DSF) responsible for annual turnover in excess of £4.1m (DSF).

Hoben: Turnover increased 46% and 21% year on year despite price increases by offering unequalled product support and key client driven customer product development combined with unique specification data via BBA... listening and responding to customer needs.

The translation of an outline test programme into a full scale independent trial of a product.

Standing on the BBA SG9 TC1 Technical Sub-Committee, and represented the Department of Transport during a two month series of international correlation exercises in Belgium and Spain <http://www.piarc.org/pub/01-04-e.htm>.

Highly IT literate - 123, Excel, Word, Powerpoint, Dreamweaver, Front Page, FTP Pro, some Access, WordPerfect C++ and VB5. Proven skills in the interpretation and presentation of information and experiences. Web authoring for business and personal pages. <http://www.sightgrip.com/powerpoint/sgtgrp.htm>

Standing on the BBA SG9 TC1 Technical Sub-Committee providing technical input along with data analysis and correlation functions, and represented the Department of Transport during a two month series of international correlation exercises in Belgium and Spain.

Exploiting functions within MS-Outlook and electronic media to minimise turn round time and optimise data collection strategy/publicity on AA/CSS Project.

TECHNICAL BIBLIOGRAPHY

1) Modification Of The Formula Used In The Determination Of The Ten Per Cent Fines Value Of Aggregate

Bullas, JC TRRL, UK
Quarterly Journal Of Engineering Geology Geological Society, Burlington House, Piccadilly, London, W1v 0ju
1990 V23 N04 P187-8
ISSN 0481-2085

2) WP/MC/10 : A Relation Between The Aggregate Abrasion Test And The Micro-Deval Test

Bullas,JC (Unpublished TRL Working Paper)
Released: 1990 Ltd Circ: 'None'
RC: GROUP/DIV: HWG/MC

3) WP/MC/15 : A Method Of Determining The Polished Stone Value Of Pre-Coated Chippings

Bullas,JC (Unpublished TRL Working Paper)
Released: 1990 Ltd Circ: 'None'
RC: GROUP/DIV: HWG/MC

4) Specifying Clean, Hard And Durable Aggregate For Bitumen Macadam Roadbase

Bullas, JC TRRL
West, G TRRL
TRRL Research Report Transport And Road Research Laboratory, Old Wokingham Road, Crowthorne, Berkshire RG11 6AU
1991 Nrr 284 19p
ISSN 0266-5247

5) WP/MC/45 : The Relation Between Skidding Resistance, Polishing Resistance And Traffic On Heavily Trafficked Roads

Bullas,JC Roe,PG (Unpublished TRL Working Paper)
Released: 1992 Ltd Circ: 'None'
PR: H3/6D Polished Stone Value Customer: Highways Engineering Division, DOT (Mr J Mercer)
RC: GROUP/DIV: HWG/MC

6) The BBA Assessment Of Sightgrip Coloured Aggregate

Bullas, JC Hoben Ind Minerals Ltd, UK
Highways & Transportation Institution Of Highways & Transportation 6 Endsleigh Street London, WC1H 0DZ
1998-01/02 V45 N1/2 P19-21,23

7) "TIME-SERIES ANALYSIS OF UK TRAFFIC ACCIDENT DATA"

Peter Ljubič, Ljupčo Todorovski, Nada Lavrač, John C Bullas

Proceedings of the IS-2002 conference on Data Mining October 2002, [Jozef Stefan Institute, Jamova 39, 1000 Ljubljana, Slovenija](#)

8) RULE INDUCTION FOR SUBGROUP DISCOVERY: A CASE STUDY IN MINING UK TRAFFIC ACCIDENT DATA

Branko Kavšek, Nada Lavrač, John C Bullas

Proceedings of the IS-2002 conference on Data Mining October 2002, [Jozef Stefan Institute, Jamova 39, 1000 Ljubljana, Slovenija](#)

ADDITIONAL INTERESTS

Modification/tuning of Rovers A series engine, Mini running gear and rear-engined Skodas. Subaru Imprezza WRX - Type Ra/R Imports. "Owner" of minilist@yahoo.com (an Internet based mini club with 350+ subscribers in 42 countries). Hosting the I.M.E. Maintaining www.fatblokeracing.org (personal homepages) . Former member of TRL pub quiz team - winner of Reading Area John Smiths Pub Quiz League, active in local quizzes.

Web Activities

<http://www.joblingpurser.com> <http://www.rocbinda.com> - specialist surfacing business - searchable, using CSS, uses CGI & SSI.

<http://www.fatblokeracing.org> - my homepages and SSI, Java, CSS testbed

<http://www.ime.org.uk> on-line Mini Encyclopedia

REFERENCES

On application

FURTHER INFORMATION

PERSONAL DETAILS

CAR OWNER - NO REQ. FOR WORK PERMIT

Single, Health Good, Full Clean UK Driving Licence held with provisional for LGV