THE NARC ONE DAY PROFESSIONAL DEVELOPMENT COURSES 2006

APPLICATION FORM

I wish to attend the following:-

Asphalt Pavements; Mixture Selection	on and Design Thickness – Wednesday 28 th June 2006	
Surface Characteristics – Tuesday 1	1 th July 2006	
Permeable Pavement by Design – To	uesday 19 th September 2006	
NAME (Block Letters)		
Organisation		
Address ————		
Telephone No:	Fax No:	
E-mail:		
Payment details Number of courses applied for	Tick if you are a NARC member	
Total Fee £		
*Credit/debit card Visa/Access/MasterCard/Switch Account	Number	
Please enter card security code		
If you wish you may email us the card security code instead of entering it here.		
Cardholder Name (in block capitals)		
Expiry Date	Switch Card Issue no	
*We do not accept American Express	s or Diners Card	
Cheque I enclose a cheque for the fully inclus (Make cheques payable to The Univ		
Invoice Please invoice my company for the for (Quote company reference to be incompany)		
Signed	Date:	
Please state where you saw this course advertised:		
Sheila Provost NARC Administrator NCPE, PRB	Tel: +44 (0) 115 846 6046 Fax: +44 (0) 115 951 3909 E-mail: sheila.provost@nottingham.ac.uk	

School of Civil Engineering University of Nottingham

University Park, Nottingham NG7 2RD



University of Nottingham

School of Civil Engineering

THE NOTTINGHAM ASPHALT RESEARCH CONSORTIUM AND THE UNIVERSITY OF NOTTINGHAM

present

The seventh series of one-day Professional Development Courses in Asphalt Pavement Engineering



THE NOTTINGHAM ASPHALT RESEARCH CONSORTIUM

About NARC

The Nottingham Asphalt Research Consortium (NARC) was formed in 1997 as a means of promoting dialogue and research between industry, public authorities and academia on matters of mutual interest in the general field of asphalt pavement engineering. It is based at the University of Nottingham and has 32 members . NARC web-site http://www.nottingham.ac.uk/narc

The Courses

This seventh series of three, one-day courses is presented as an opportunity to obtain up-to-date information on important aspects of materials and design for pavement engineers and technicians.

Each course is directed by a member of NARC and the lecturers are all experts in their field.

The courses will all be held at the University of Nottingham and will run from 10am to 4pm. Notes and copies of presentations will be provided for participants and a buffet lunch is included in the fee.

These courses provide an excellent continuing professional development (cpd) opportunity.

Up-to-date details of the NARC (and other) courses can be found at the website: http://www.nottingham.ac.uk/ncpe

Fees

The fully inclusive charge for attending these courses is as follows:-

1 course £220 2 courses per person £400 3 courses per person £600

Participants who work for a NARC member company are eligible for a 25% discount on the above.

Asphalt Pavements; Mixture Selection and Design Thickness Wednesday 28th June 2006

Course Director: Mr Robert Noakes - Norfolk County Council
What's the difference between 0.6mm Texture Depth and 1.5mm? When should I use SMA. HRA or DBM? Do I need to specify BBA/HAPAS or British

Standards? How thick does the asphalt need to be, can it be laid in one layer? What does Surface Modulus of 100MPa mean?

If you'd like to know the answers but were too afraid to ask, then attend our NARC Workshop on 28th June. We will have two themed sessions, with participant exercises and interactive discussion, learning and debate, (no slow death by powerpoint).

The morning session, facilitated by Donna James of the Highways Agency will focus on foundations (HD25) and pavement design (HD 26). For the afternoon, Bob Noakes of Norfolk County Council, CSS and Chairman of BSI committee for asphalt standards will look at the "black magic" of asphalt mixture selection and why we use 55/10 and not 30/14 etc.

Surface Characteristics

Tuesday 11th July 2006

Course Director: Dr Tony Parry – Nottingham Centre for Pavement Engineering

The condition of the road surface has a fundamental influence on road safety, comfort, deterioration and condition assessment. This course will include the latest information on the specification of skidding resistance, including during the early-life of asphalt surfacings; mitigation of traffic noise and how to specify low-noise surfaces; and European standards for friction and profile evenness. Speakers will include experts from the client, consultant and academic professions.

Permeable Pavement by Design Tuesday 19th September 2006 Course Director: Mr Bob Allen – Aggregate Industries

Growing urbanisation and development of our infrastructure leads to increased hard impermeable areas such as roofs and pavement structures; coupled with changing weather patterns this has resulted in increased rainwater runoff. Today as a direct result of this development urban flooding has become a major problem. Permeable Pavements, often referred to as SUDS, can be used to address this problem as a part of sustainable urban drainage management. There are many issues that need to be addressed, from products and systems to maintenance and adoption. This course will cover these topics with key speakers and provide an insight into recent developments in permeable pavement design and highlight some of the problems associated with their implementation.