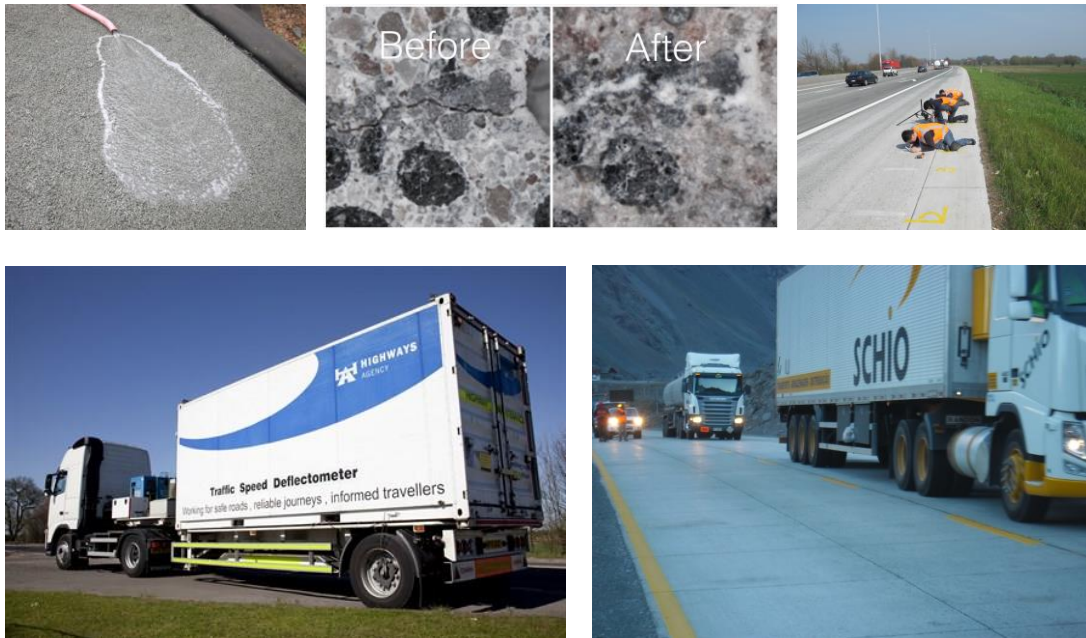


# 9<sup>th</sup> International DUT-Workshop on Research and Innovations for Design of Sustainable and Durable Concrete Pavements

17 – 18 June, 2018 in Potsdam, Germany

## Call for Abstracts



Secretariat:

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[http://www.citg.tudelft.nl/pavement\\_engineering](http://www.citg.tudelft.nl/pavement_engineering)



## Invitation

The 8 preceding prestigious Workshops were held in 1986 (Epen, the Netherlands), 1990 (Sigüenza, Spain), 1994 (Krumbach, Austria), 1998 (Buçaco, Portugal), 2004 (Istanbul, Turkey), 2006 (Old-Turnhout, Belgium), 2010 (Carmona, Spain) and 2014 (Prague, Czech Republic).

The 9<sup>th</sup> International DUT-Workshop on Research and Innovations for Design of Sustainable and Durable Concrete Pavements will be held on 17 – 18 June, 2018 in Potsdam (near Berlin), Germany. This Workshop is complementary to the 13<sup>th</sup> International Symposium on Concrete Roads to be held from 19 – 22 June, 2018 in Berlin.

Submission of a paper is a prerequisite for attending the Workshop. You are invited to write and present a paper dealing with one of the themes of the Workshop. Especially (short) papers on ongoing research/projects are highly appreciated.

## Workshop

During the Workshop authors will give a concise presentation of their paper. As a result, much time will be available for in-depth discussions and open exchange of theoretical ideas. There will be plenty of opportunities for informal contacts in a stylish surrounding.

The Workshop's language is English.

Copies of the selected papers will be made available to the participants prior to the Workshop. All papers (together with the statements, discussions, conclusions and recommendations) will be published on USB after the Workshop.

A summary of the Workshop will be presented at the 13<sup>th</sup> International Symposium on Concrete Roads, to be held in Berlin, 19 – 22 June 2018.

## Time schedule

November 1, 2017:	deadline for submission of abstracts
November 15, 2017:	invitation to write paper based on accepted abstract
January 1, 2018:	deadline for submission of draft paper
February 1, 2018:	reviewers' comments to author
March 1, 2018:	deadline for submission of final paper
June 17-18, 2018:	9 <sup>th</sup> International Workshop in Potsdam
June 19-22, 2018:	13 <sup>th</sup> International Symposium in Berlin

## Organisation

The Workshop is organised by Delft University of Technology (DUT) in cooperation with FEBELCEM, EUPAVE (European Concrete Paving Association) and ISCP (International Society for Concrete Pavements). A Scientific Committee will select the papers, based on the received abstracts. The Scientific Committee has the right to refuse papers from being published or presented.

Scientific Committee:

Ir. L.J.M. Houben (chairman)	Delft University of Technology (the Netherlands)
Prof.dr. J.T. Balbo	University of São Paulo (Brasil)
Prof.dr.ir. A. Beeldens	Consultant/University of Leuven (Belgium)
Prof.dr.ir. K. van Breugel	Delft University of Technology (the Netherlands)
M.I. Darter, PhD, PE	ARA, Inc. – Transportation Sector (USA)
C. Jofré	Cementos Portland Valderrivas (Spain)
Prof. L. Khazanovich, PhD	University of Pittsburgh (USA)
Prof.dr. T.N. Nishizawa	Ishikawa National College of Technology (Japan)

Ir. L. Rens	FEBELCEM (Belgium)
Prof. J.R. Roesler, PhD	University of Illinois, chairman of ISCP (USA)
Prof.dr. A. Scarpas	Delft University of Technology (the Netherlands)
Prof. dr. J. Silfwerbrand	Royal Institute of Technology, Stockholm (Sweden)
M.B. Snyder, PhD, PE	International Society for Concrete Pavements (USA)
S.D. Tayabji, PhD, PE	ARA, Inc. – Transportation Sector (USA)
Prof. D.G. Zollinger, PhD, PE	Texas A&M University (USA)

### **Who should participate?**

The Workshop is of special interest to experts and researchers in the field of design and performance of sustainable and durable concrete pavements for roads, bridges, airports, industrial yards and railways. In order to ensure a maximum amount of time for discussion, the number of participants will be limited to 40.

### **Main themes of the Workshop**

The programme of the Workshop consists of three main themes, each dealing with several topics. Topics are more or less indicative and should stimulate the participants to write on similar or related issues.

#### **I. Materials**

- Early age concrete behaviour (e.g. shrinkage and stress relaxation): why is it relevant and what aspects should be modelled in a pavement design framework
- Innovative concrete mixes (such as porous concrete, self-healing concrete, engineered cementitious materials, geopolymers concrete): their behaviour and their potential impact on concrete pavement application

#### **II. Advanced design, performance and evaluation of concrete pavements**

- Strengths and weaknesses of mechanistic-empirical design models and how to improve them
- Local calibration of mechanistic-empirical design methods and how to improve it
- Structural health monitoring (non-destructive techniques, built-in sensors) and its role in design and life cycle assessment

#### **III. Innovative concrete pavement structures**

- Features and benefits of innovative plain concrete pavement structures such as thin concrete inlays or overlays, ultra-thin white topping and short slabs
- Precast (modular) concrete pavements, continuously reinforced concrete pavements, roller compacted concrete pavements: current design procedures, improvements to design procedures, performance measurements and modelling

### **Abstracts**

If you intend to participate in the Workshop, please submit a short abstract (maximum 200 words) to Lambert Houben ([l.j.m.houben@tudelft.nl](mailto:l.j.m.houben@tudelft.nl)). The abstract should include the title and the affiliation of the author(s). Deadline for submission of the abstract: **November 1, 2017**.

### **Venue**

In Potsdam (near Berlin).