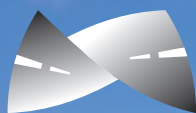


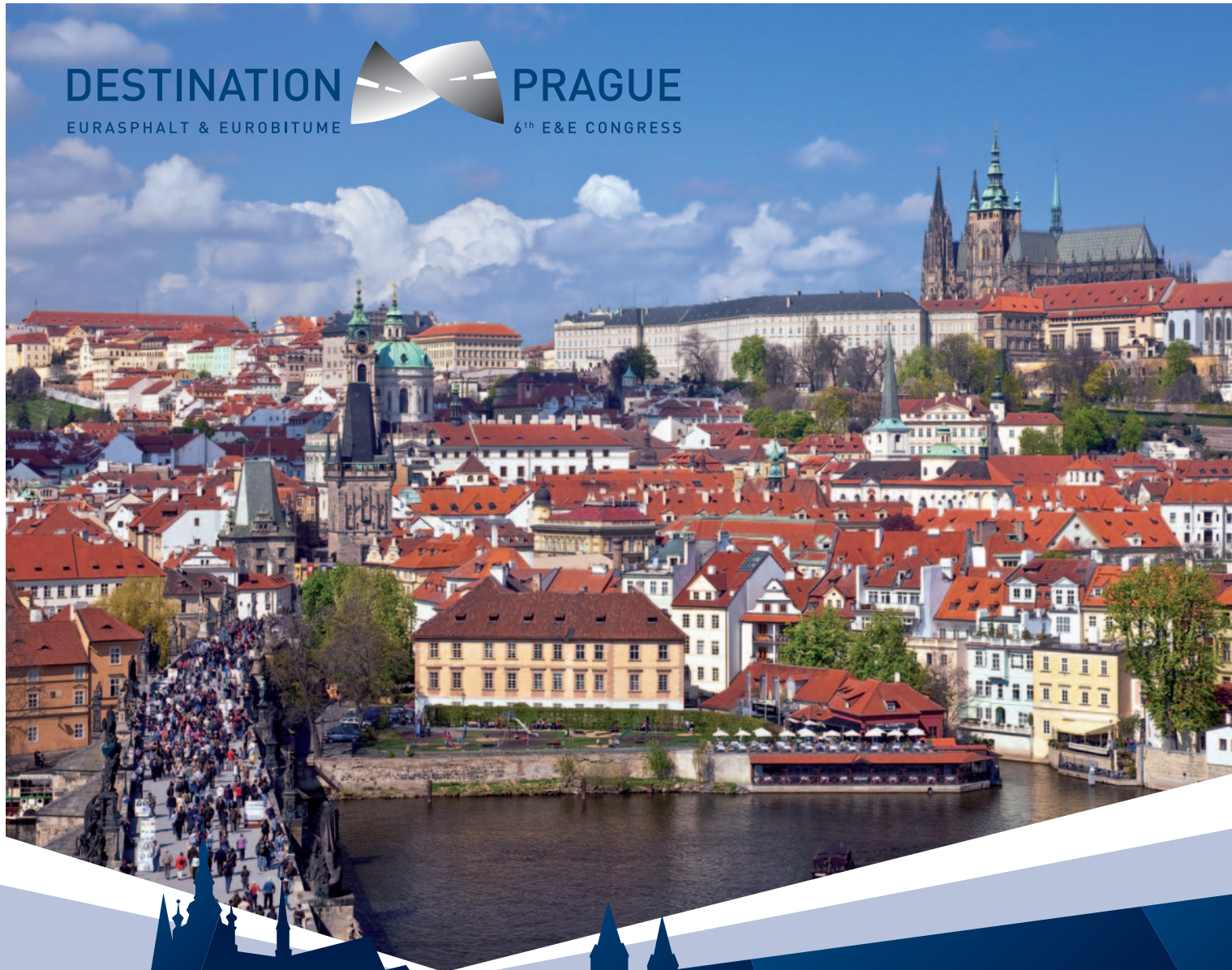
**DESTINATION**

EURASPHALT & EUROBITUME



**PRAGUE**

6<sup>th</sup> E&E CONGRESS



# 6<sup>th</sup> Eurasphalt & Eurobitume Congress

**1–3 June 2016 – Prague Congress Centre**  
**INVESTING IN OUR GREATEST ASSET: ROADS**

**Programme  
& Exhibition Catalogue**





How do we produce high-performance bitumen? We add knowledge to the mix.

How do you become an expert? You focus on one thing only. For more than eighty years, Nynas' focus on bitumen has enabled us to continuously develop high-performance products for a wide range of challenging applications. That's why we are the partner of choice when our customers need long-term solutions. **Let's talk.** [nynas.com](https://nynas.com)



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## INVITATION FROM THE CONGRESS STEERING GROUP

**6<sup>th</sup> Eurasphalt & Eurobitume Congress**  
**1–3 June 2016 Prague**  
**“Investing in our greatest asset”**

On behalf of the European Asphalt Pavement Association (EAPA) and Eurobitume we have pleasure to invite you to attend the 6<sup>th</sup> Eurasphalt & Eurobitume Congress to be held in Prague Congress Center (Czech Republic).

The road network is our greatest asset and the most important part of all public infrastructures. With its role as the backbone of all our transportation needs, making this asset more efficient is critical for the success of both our society and our economy, whether industrial or service based.

We invite you to show your support for this statement through your involvement in the theme chosen for the next E&E congress in 2016. Our aim is to highlight the importance of maintaining an efficient European road network and also the importance that research and development play in ensuring that this is realised.

There are lots of examples of how society has invested in maintaining their valued assets and let's take the congress location, Prague, and its famous medieval Astronomical Clock as an example. A national treasure dating back to 1410. Over 600 years old and still working today with the help of society's investment in planned maintenance and use of special expertise.

Our roads may not have the same life span expectancy, but we know that solutions and expertise are available to extend the life of a road and meet the needs of society through investing in planned product selection and good maintenance options that include criteria for long life pavements!

Together, the bitumen and asphalt industries and the research community have been investing time and resources to develop product and technology solutions for the road network. We have access to immense knowledge and expertise, which in itself is an important asset to the road industry overall.

### **The three main objectives of the E&E Congress 2016 are to:**

- provide a platform for our industry and stakeholders to demonstrate and learn from the innovation and investments that have been made in developing our products, technologies and decision-making processes over recent years
- offer a unique opportunity for all stakeholders to engage, exchange ideas and network in a way that will encourage positive action in the future
- stimulate discussions and debates that will help to steer a common approach to challenges.

A comprehensive programme has been created which identifies the key issues associated with asphalt pavement solutions to provide the confidence that all types of decision-makers need when investing in our existing and future road networks.

**To achieve all these objectives we need your involvement and support!**

**Visit: [www.eecongress2016.org](http://www.eecongress2016.org)**

**Look forward to seeing you in Prague.**

**Siobhan McKelvey**  
President of Eurobitume

**Ayberk Özcan**  
President of EAPA

## PROGRAMME AT A GLANCE

TIME	Tuesday, 31 May 2016
16:00–19:00	Registration

TIME	Wednesday, 1 June 2016 (Day 1)
08:00–18:00	Registration
08:30–18:00	Exhibition and Posters
	Congress Hall
09:30–11:00	Opening Session
11:00–11:30	Coffee Break
11:30–13:00	Session 1 Road owners and road users
13:00–14:30	Lunch Break
14:30–15:45	Session 2 External factors
15:45–16:15	Coffee Break
16:15–17:30	Session 3 What the industry can provide
18:00–18:45	Continuous Bus Transfer to the Congress Dinner (Entrance No. 10)
19:00–23:00	Congress Dinner – Žofín Palace

TIME	Thursday, 2 June 2016 (Day 2)
08:00–19:00	Registration
08:30–19:00	Exhibition and Posters
	Congress Hall North Hall
09:00–10:30	Session 4A Recycling
	Session 4B Become an 'Asphalt Advocate' – Communications workshop
10:30–11:00	Coffee Break
11:00–12:30	Poster Session – Meet the authors
12:30–14:00	Lunch Break
14:00–15:30	Session 5A Mixture Performance & Testing
	Session 5B Health, Safety & Environment
15:30–16:00	Coffee Break
16:00–17:30	Session 6A Binder Performance & Testing Part 1
	Session 6B Smart management of road infrastructure – Seminar
17:30–19:00	Poster Session Reception – sponsored by Rubitron

TIME	Friday, 3 June 2016 (Day 3)
08:00–14:30	Registration
08:30–14:30	Exhibition and Posters
	Congress Hall North Hall
09:00–10:30	Session 7A Warm asphalt mixtures
	Session 7B Performance and testing Part 2
10:30–11:00	Coffee Break
11:00–12:30	Session 8A Maintenance & Rehabilitation
	Session 8B Sustainable development
12:30–13:15	Closing Session
13:15–14:30	Lunch Break

## DETAILED PROGRAMME

### TUESDAY, 31 MAY 2016

16:00–19:00 **Registration in the Prague Congress Centre**

### WEDNESDAY, 1 JUNE 2016

08:00–18:00 **Registration**

08:30–18:00 **Exhibition and Posters**

#### Congress Hall

09:30–11:00 **Opening Session**

##### Welcome



Katrina Sichel  
session facilitator

##### Opening address



John Kruse Larsen  
European Asphalt Pavement Association (EAPA) President

##### Keynote address



Ismail Ertug  
Member of European Parliament, Coordinator of the Social Democrats for the Committee on Transport and Tourism (TRAN) in the European Parliament

##### Welcome



Dan Ťok  
Minister of Transport of the Czech Republic

11:00–11:30 **Coffee Break (Exhibition area)**

11:30–13:00 **Session 1  
Road owners and road users**

In this session the road users and the road owners will address why road infrastructure is important for them, what their needs will be in the upcoming years, what the future challenges are and what they expect from the industry.

##### The speakers will be:

Philip Gomm, Head of External Communications RAC Foundation, UK  
Thierry Goger, Secretary General of Forum of European National Highway Research Laboratories (FEHRL)  
Jean-Francois Corté, Leaving Secretary General of the World Road Association – PIARC: Challenges for the sustainability of our road transport systems  
Donna James, Pavement team leader at Highways England, Highways Agency: Specification of Road Infrastructure – Performance and Demands



13:00–14:30 **Lunch Break (Exhibition area)**

14:30–15:45 **Session 2**  
**External factors**

**Joining forces to tackle the road transport CO<sub>2</sub> challenge**

Fuensanta Martinez Sans, Director Transport Policy of the European Automobile Manufacturers' Association (ACEA)

**Circular Economy Package – Construction focus**

Vincent Basuyau, European Commission – Directorate General for Internal Market, Industry, Entrepreneurship and SMEs (DG GROW)

**Oil industry and bitumen in the EU**

Isabelle Muller, Union Française des Industries Pétrolières (Ufip)

15:45–16:15 **Coffee Break (Exhibition area)**

16:15–17:30 **Session 3**  
**What the industry can provide**

**CO<sub>2</sub> reduction with Low Rolling resistance Stone Mastic Asphalt**

Bjarne Schmidt, Danish Road Directorate (DRI)

**Recycling of Asphalt**

Rien Huurman, BAM, the Netherlands

**Development of a durable 3<sup>rd</sup> generation Porous Asphalt with a high noise reduction**

Arian de Bondt, Ooms Civiel, the Netherlands

**Maintenance & Application techniques**

Etienne Lebouteiller, International Bitumen Emulsion Federation (IBEF)

19:00–23:00 **Reception and Congress Dinner (Žofín Palace in Prague)**



## THURSDAY, 2 JUNE 2016

08:00–19:00 **Registration**

08:30–19:00 **Exhibition and Posters**

### Congress Hall

09:00–10:30 **Session 4A  
Recycling**  
Session chairman: Jan Valentin, CTU, Czech Republic

#### Keynote address

Lars Forstén, Lemminkäinen Infra Oy, Paving, Finland

#### Microstructural analysis of asphalt mixtures containing recycled asphalt materials using digital image processing

Michael Wistuba, Technical University Braunschweig, Braunschweig, Germany

#### Recycling reclaimed asphalt in Flanders: state of the art 2014

Wim van den Bergh, University of Antwerp, Antwerp, Belgium

#### New concept of sustainable road structure with RAP binder course using bio-agent

Jan Król, Faculty of Civil Engineering, Warsaw University of Technology, Warsaw, Poland

#### Investigation of performance properties of laboratory and plant produced bituminous mixture containing high rates of reclaimed asphalt

Zeliha Temren, Turkish Asphalt Contractors Association (ASMÜD), Ankara, Turkey

#### Towards production of 100% recycled asphalt

Martins Zaumanis, Latvian State Roads, Riga, Latvia

10:30–11:00 **Coffee Break (Exhibition area)**

11:00–12:30 **Poster Session – Meet the authors**

12:30–14:00 **Lunch Break (Exhibition area)**

### North Hall

**Session 4B**  
**Become an 'Asphalt Advocate' – Communications workshop**  
Session hosted: Katrina Sichel

#### Invited panellists:

##### Pete Grass

President of Asphalt Institute (US)

##### Carsten Karcher

Director of EAPA (Europe)

##### Alan MacKenzie

Chairman of Asphalt Industry Alliance (UK)

##### Juan Jose Potti

Director of ASEFMA (Spain)



## Congress Hall

14:00–15:30

### Session 5A

#### Mixture Performance and Testing

Session chairman: Carsten Karcher, EAPA

#### Keynote Address

Knut Johannsen, Eurovia, Germany,

#### UGR-FACT test in the study of fatigue and cracking phenomena in asphalt pavements

Fernando Moreno-Navarro, University of Granada, Granada, Spain

#### Performance assessment of hot mix asphalt with chemically stabilized rubber bitumen

Zoltan Soos, Budapest University of Technology and Economics, Budapest, Hungary

#### Effects of fibre reinforcement on the fatigue and rutting performance of asphalt mixes

Christiane Weise, Institute of Urban and Pavement Engineering, TU Dresden, Dresden, Germany

#### Influence of moisture on thermomechanical behaviour of bituminous mixtures used for railway track beds

Diego Ramirez Cardona, SNCF / ENTPE, France

#### Strategy Management and Maintenance for Thin Surface Course Systems

Arash Khojinian, The University of Nottingham, Nottingham, United Kingdom

15:30–16:00

### Coffee Break (Exhibition area)

## North Hall

### Session 5B

#### Health, Safety & Environment

Session chairman: Karin Hennung, Nynas

#### Low Emission2 Asphalt Pavement, LE2AP

Marinus Huurman, Bam Infra Asphalt, Utrecht, Netherlands

#### Noise reducing effect of new dense asphalt layers

Martin Radenberg, Lehrstuhl für Verkehrswegebau, Ruhr-Universität Bochum, Bochum, Germany

#### The analysis and further development of a model for adjusting SCRIM skid resistance data for temperature and rainfall

Brian Mulry, PMS Pavement Management Services Ltd., Galway, Ireland

#### The development and use of the Skid Resistance and Smart Ravelling Interface Testing Device

Arian de Bondt, Ooms Civiel, Scharwoude, Netherlands

#### Transfer of the IARC monograph on bitumen in European ways of working

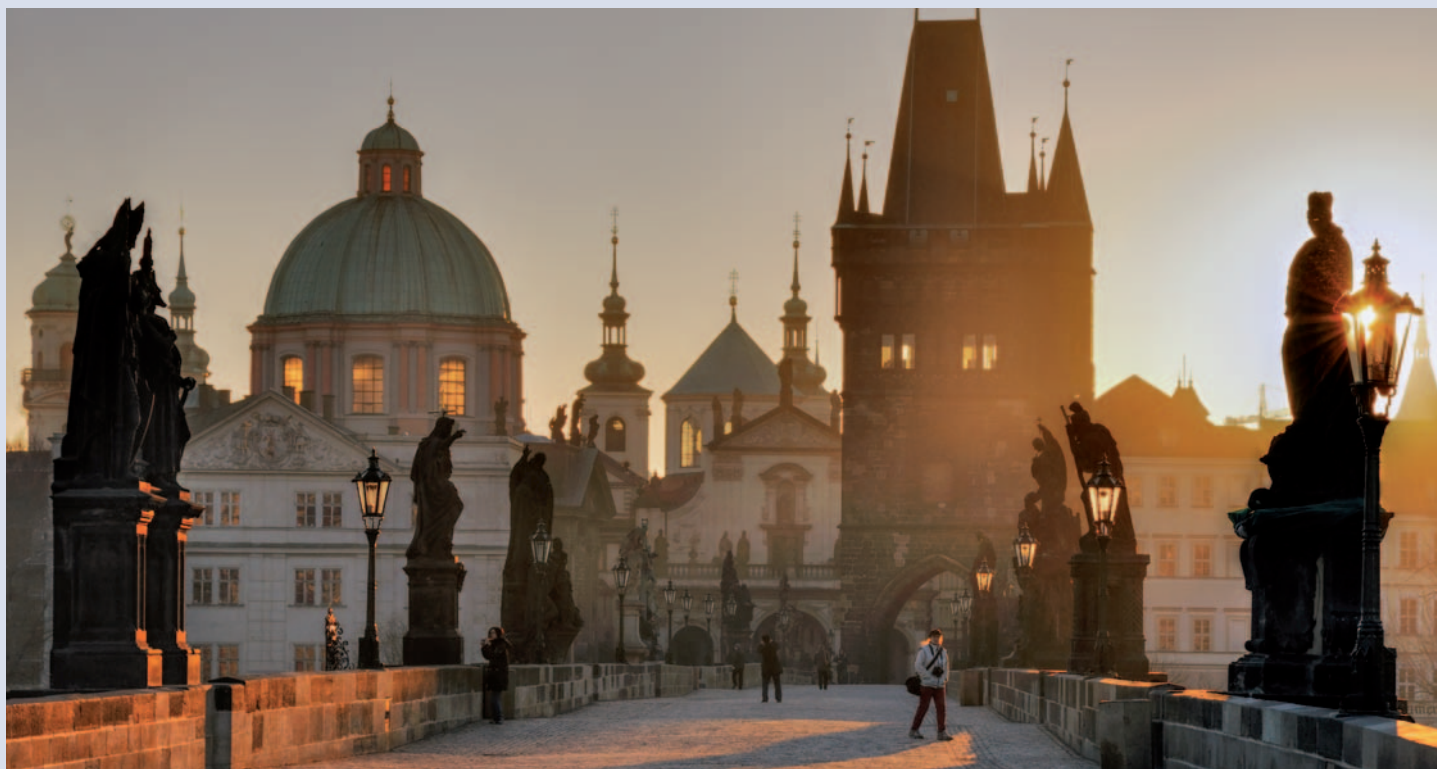
Reinhold Rühl, German Bitumen Forum, Frankfurt, Germany

#### Laboratory evaluation of emissions from asphalt binder and mixes using a bio-rejuvenating agent

Laurent Porot, Roads and Construction, Arizona Chemical BV, Almere, Netherlands

#### Health quality assurance approaches for bitumen manufacture and supply

James J Freeman, ExxonMobil Biomedical Sciences, Inc., Annandale, New Jersey, United States



## Congress Hall

16:00–17:30

### Session 6A

#### Binder Performance & Testing part 1

Session chairman: Frédérique Cointe, ExxonMobil

#### Keynote address

Gilles Gauthier, TOTAL/RM/SPE/Bitumen, France

#### Effects of hot storage on polymer modified binder properties and field performance

Robert Urquhart, ARRB Group Ltd, Vermont South VIC, Australia

#### Comparing field aging to artificial laboratorial aging of bituminous binders for porous asphalt concrete using black space graph analysis

Diederik Quirinus van Lent, TNO, Delft, Netherlands

#### Low temperature and aging properties of polymer-modified binders

Yvong Hung, Research Center, Total Marketing and Services, Solaize, France

#### Impact of the bitumen quality on the asphalt mixes performances

Frédéric Delfosse, Eurovia, Mérignac, France

#### Assessment of performance specification tests for rheologically simple bitumens

Pavel Kriz, Research Department, Imperial Oil Limited, Sarnia, ON, Canada

17:30–19:00

### Poster Session Reception – sponsored by Rubitron

## North Hall

### Session 6B

#### Smart management of road infrastructure – seminar

Moderator: Katrina Sichel

#### Christophe Nicodème

Director General of European Road Federation (ERF): Road infrastructure and Road Asset Management

#### Yann Lefeuvre

Manager of the Value Management Team of Colas UK

#### Stefan Gerwens

President and CEO of Pro-Mobilitat – Initiative für Verkehrsinfrastruktur e.V.: Federal road network in Germany: new developments in priorities, PPP, funding and management

#### Fatih Zeybek

Suspension Bridge Project Manager in OTOYOL



## FRIDAY, 3 JUNE 2016

08:00–14:30 **Registration**

08:30–14:30 **Exhibition and Posters**

### Congress Hall

09:00–10:30 **Session 7A**  
**Warm asphalt mixtures**  
Session chairman: Egbert Beuving, EAPA

**Keynote address**

Eivind Olav Andersen, Veidekke Industri AS, Trondheim, Norway

**Laboratory evaluation of half warm recycling with bio-based additive**

Laurent Porot, Roads and Construction, Arizona Chemical BV, Almere, Netherlands

**Permanent deformation characteristics of warm mix asphalt**

Peyman Aghazadeh Dokandari, Dokuz Eylul University, Engineering Faculty, IZMIR, Turkey

**Successful demonstration of lower temperature asphalt on the UK strategic road network**

Matthew Wayman, TRL Limited, Wokingham, United Kingdom

**Mechanical properties and quality-control of warm asphalt**

Christian Angst, IMP Baustest AG, Oberbuchsitzen, Switzerland

**Master curves of crumb rubber modified binders containing Montan waxes as warm mix asphalt additives**

Ana María Rodríguez-Alloza, University of Madrid (UPM), Madrid, Spain

### North Hall

**Session 7B**  
**Performance and testing – Part 2**  
Session chairman: Jean-Paul Michaut, Colas

**On laser scanning, pavement surface roughness and international roughness index in highway construction**

Josef Zak, Department of Road Structures, CTU in Prague, Prague, Czech Republic

**Smartvia concept: a 5 years feedback on standalone pavement structure monitoring**

Bertrand Poteau, Research Center, Eurovia Management, MERIGNAC, France

**Cracking of asphalt pavements and the development of specifications with rheological measurements**

Geoff Rowe, Abatech, Blooming Glen, United States

**Bitumen-in-water emulsion: Destabilization by electrolyte solutions and rheological evaluation**

Vincent Gaudefroy, IFSTTAR, Bouguenais, France

**European round robin tests for the Multiple Stress Creep Recovery Test and contribution to the development of the European standard test method**

Joelle de Visscher, Belgian Road Research Centre, Brussels, Belgium

**Innovative SMA-MA mixture for bridge asphalt pavement**

Michał Sarnowski, Warsaw University of Technology, Warsaw, Poland

**Crack propagation in asphalt mixture based on photoelasticity method**

Stefan Büchler, ISBS, Institut für Straßenwesen, Technische Universität Braunschweig, Germany

10:30–11:00 **Coffee Break (Exhibition area)**



## Congress Hall

11:00–12:30

### Session 8A

#### Maintenance & Rehabilitation

Session chairman: Helene Odelius, Nynas

#### Keynote address

Francois Chaignon, Colas, France

#### Field study to evaluate different pre-normative interlayer adhesion tests

Alexandra Destree, Belgian Road Research Centre, Brussels, Belgium

#### The influence of asphalt workmanship on pavement service life

Joralf Aurstad, Norwegian Public Roads Administration, Trondheim, Norway

#### Effectiveness of preventive maintenance of asphalt pavements

Peter Sebaaly, University of Nevada, Reno, Nevada, United States

#### Life-prolonging preventive maintenance techniques for porous asphalt

Peter The, Rijkswaterstaat, Ministry of Transport and the Environment, Utrecht, Netherlands

#### Application of bitumen adhesion and cohesion laboratory tests in a finite element modelling approach of chip seals

Johan Gerber, University of Stellenbosch, Matieland, South Africa

## North Hall

### Session 8B

#### Sustainable development

Session chairman: Mike Southern, Eurobitume

#### Keynote address

Malcolm Simms, Mineral Products Association – MPA, London, UK

#### Lessons learned in developing an environmental product declaration program for the asphalt industry in North America

Amlan Mukherjee, Michigan Technological University, Houghton, United States

#### Long term performance of a highly modified asphalt pavement and application to perpetual pavement design

Bob Kluttz, Kraton Polymers, Houston, TX, United States

#### Life+ SustainEuroRoad software

Ismail Cavagnol, USIRF, Paris, France

#### How do we improve the durability of porous asphalt?

Ulf Sandberg, Swedish National Road and Transport Research Institute (VTI), Linköping, Sweden

#### Low rolling resistance pavements in Denmark

Matteo Pettinari, Danish Road Directorate, Hedehusene, Denmark

## Congress Hall

12:30–13:15

### Closing Session

#### Introduction

Katrina Sichel, session facilitator

#### Congress summary

Egbert Beuving, European Asphalt Pavement Association – EAPA

#### Closing words

Siobhan McKelvey, Eurobitume President

#### Announcement of future Eurasphalt & Eurobitume activities

13:15–14:30

### Lunch break (Exhibition area)

## CONGRESS INFORMATION

### Congress Venue

Prague Congress Centre (PCC) is one of the dominant points of the City of Prague. It is located on one of Prague's hills, which provides visitors with a beautiful view of the world famous Prague panorama where the silhouette of Prague Castle, together with a myriad of towers belonging to churches, cathedrals, palaces and ancient buildings from the historical centre, rise over the Vltava River and extensive parks. The PCC can be easily reached by metro line C (red line) to station Vyšehrad.

### Prague Congress Centre (PCC)

5. května 65  
140 21 Prague 4  
Phone: +420 261 171 111  
[www.kcp.cz](http://www.kcp.cz)



### Parking

Paid parking is available at the Prague Congress Centre. Expenses for these and other parking space shall be covered by the participants.

### Official Language

The official language is English. In the Congress Hall there will be simultaneous translation to French, German, Czech and Russian. Please collect your head-set in front of the entrances to the Congress Hall on the 2<sup>nd</sup> floor

### Free Wi-Fi

Free Wi-Fi is available in the Exhibition Area (on the 2<sup>nd</sup> and 3<sup>rd</sup> floor), in the Congress Hall, in the North Hall and in the Terrace 2 (on the 2<sup>nd</sup> floor) and also in the Relax Zone/Media Corner (on the 4<sup>th</sup> floor) **sponsored by Nynas.**



### SSID: EE Congress 2016

**Password: asphalt1**

### Congress Secretariat and Speaker's Ready Room

The Congress Secretariat and the Speaker's Ready Room is located on the 2<sup>nd</sup> floor in the room 2.1.

### Opening Hours

Wednesday, 1 June 2016	08:00–18:00
Thursday, 2 June 2016	08:00–18:00
Friday, 3 June 2016	08:00–14:00

### Instructions for Posters

The Poster Area is located in the congress foyer on the 4<sup>th</sup> floor. The posters may be displayed during the three days of the Congress.

Authors of papers are requested to be present with their poster during the dedicated Poster Sessions (Thursday, 2 June 2016, 11:00–12:30 & 17:30–19:00)

Poster boards and fixing materials are available in the Poster Area.

**Congress staff are available to assist you during the time of poster mounting.**

- The posters are grouped by Congress session theme.
- There is only one poster board per paper.
- Please ensure that your poster is displayed on the correct poster board which will display your personal poster number.

**Poster Mounting**

Wednesday, 1 June 2016	08:00–09:30, 11:00–14:00
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**Poster Removal**

Friday, 3 June 2016	10:30–14:30
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**Poster Session Happy Hour & Beer Tasting (sponsored by Rubitron)**

Thursday, 2 June 2016	17:30–19:00
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The Poster Session Happy Hour & Beer tasting take place in the Prague Congress Centre in the Poster Area on the 4<sup>th</sup> floor.

**Registration**

The Registration and Information Desk is located on the 1<sup>st</sup> floor of the Prague Congress Centre. Participants can pickup their congress materials here as well as order additional services there.

**Opening Hours**

Tuesday, 31 May 2016	16:00–19:00
Wednesday, 1 June 2016	08:00–18:00
Thursday, 2 June 2016	08:00–19:00
Friday, 3 June 2016	08:00–14:30

**On-site Registration Fees**

<b>Delegates</b>	1275 EUR
<b>Exhibitor</b>	850 EUR
<b>Post-graduate students*</b>	300 EUR
<b>Students*</b>	75 EUR
<b>Accompanying Persons</b>	200 EUR

Registration fees include 21 % VAT.

\*Students must provide proof confirming their status.

**Name Badge**

All participants receive a name badge. Everyone is requested to wear this badge at all times within the Congress Centre.

**Name badges have been colour-coded as follows**

<b>COMMITTEE</b>	<b>STAFF</b>
<b>DELEGATE</b>	<b>PRESS</b>
<b>STUDENT</b>	<b>MEDIA PARTNER</b>
<b>ACCOMPANYING PERSON</b>	<b>ORGANISER</b>
<b>EXHIBITOR</b>	

**Transportation**

Each registered participant receives one free public transportation pass at the Registration Desk when registering.

This ticket is valid within the dates of the Congress.

**Certificate of Attendance**

Certificates are available at the Registration Desk on request.



## GENERAL INFORMATION

### Good to know

Detailed information is available on the official Czech Republic website at [www.czech.cz](http://www.czech.cz).

### Weather

The month of June is characterized by gradually rising daily high temperatures, with daily highs increasing from 20 °C to 22 °C over the course of the month, exceeding 28 °C. The average probability that some form of precipitation will be observed in a given day is 60 %, with little variation over the course of the month. Throughout June, the most common forms of precipitation are moderate rain, thunderstorms, and light rain. You can check for current weather conditions in Prague at [www.weather.com](http://www.weather.com).

### Insurance

The organisers do not accept responsibility for individual medical, travel or personal insurance. All participants are strongly advised to take out their own personal insurance before travelling to the Congress.

### Currency & Banking

The Czech Crown (CZK) is the official currency of the Czech Republic. Exchange of foreign currency is available at the Prague International Airport and at most hotels, banks and exchange offices throughout the city. International credit cards are accepted for payments in hotels, restaurants and shops. Payment in cash (in EUR) is also available in some restaurants and shops, so please ask for details on-site if necessary. You can find the official exchange rates on the Czech National Bank website (<http://www.cnb.cz/en>).

### Electricity

The Czech Republic uses a 230 volt 50 Hz system. Sockets follow the standard also used in France, Belgium, Denmark, Poland, Greece, Italy, Ireland and other countries and also have a grounding pin sticking out of the power socket, which is professionally known as a type E socket.

### Shopping

Most shops in Prague are open from 9:00 to 18:00, Monday to Saturday. Shops in the city centre are usually open from 9:00 to 20:00, Monday to Sunday.

### Time Zone

The Czech Republic is on Central European Time (CET), which is Greenwich Mean Time (GMT) plus 1 hour. Note that April to October is summer time, i.e. GMT + 2 hours.

### Tipping

Service is usually included in the bill in most bars and restaurants, but tips are welcome. If you consider the service good enough to warrant a tip, we suggest about ten percent.

### Important Telephone Numbers

**112: General Emergency for Europe**

**150: Fire**

**155: Ambulance**

**156: Prague Municipal Police**

**158: Police**

### Taxi service

In the city centre, taxis are easy to take from the street but we strongly recommend you use hotel taxis or to call a taxi by phone through the radio taxi service.

**We recommend you use following taxi companies:**

**AAA Taxi: +420 14 0 14**

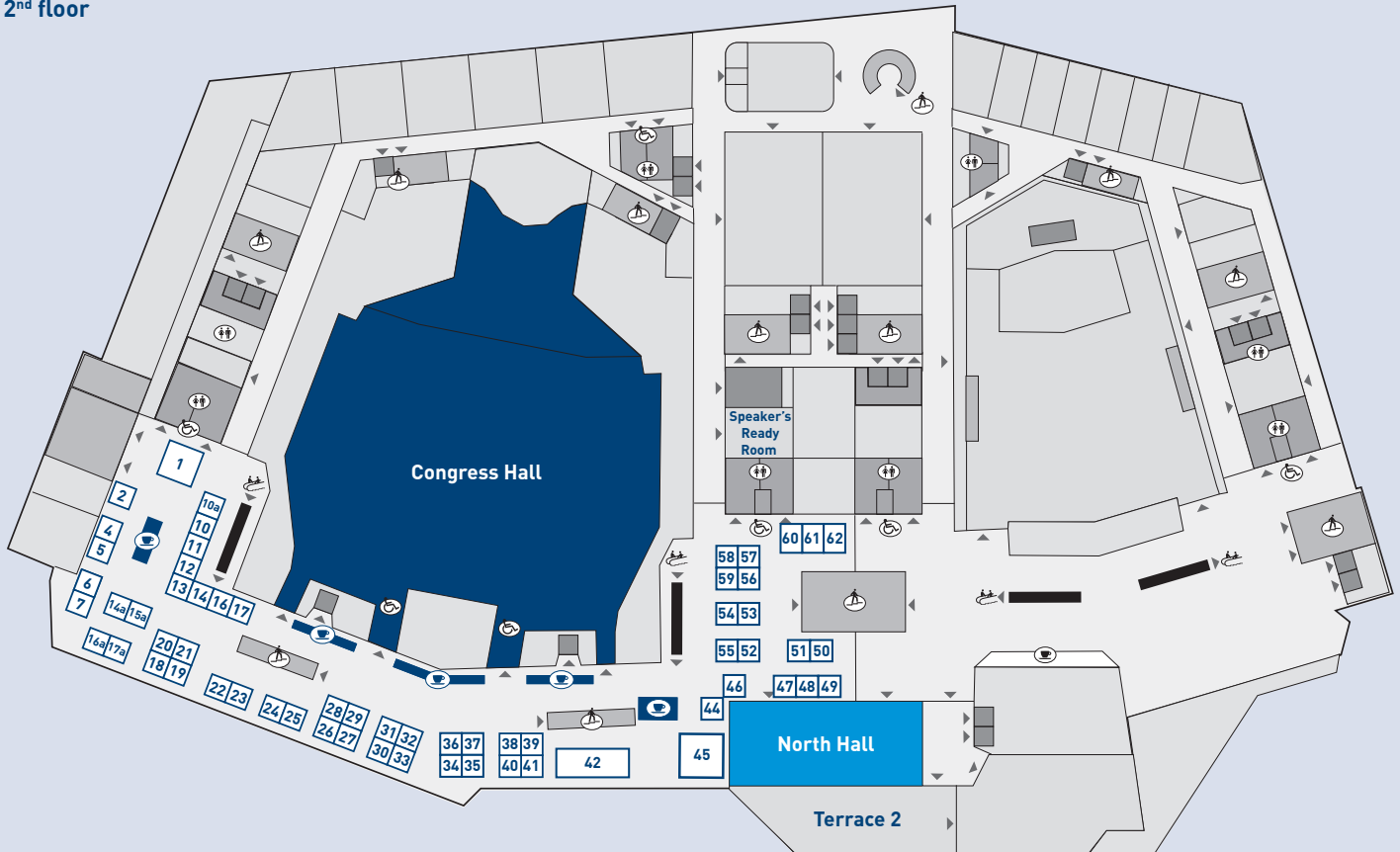
**Profi Taxi: +420 14 0 15**

## EXHIBITION PLANS AND ALLOCATION

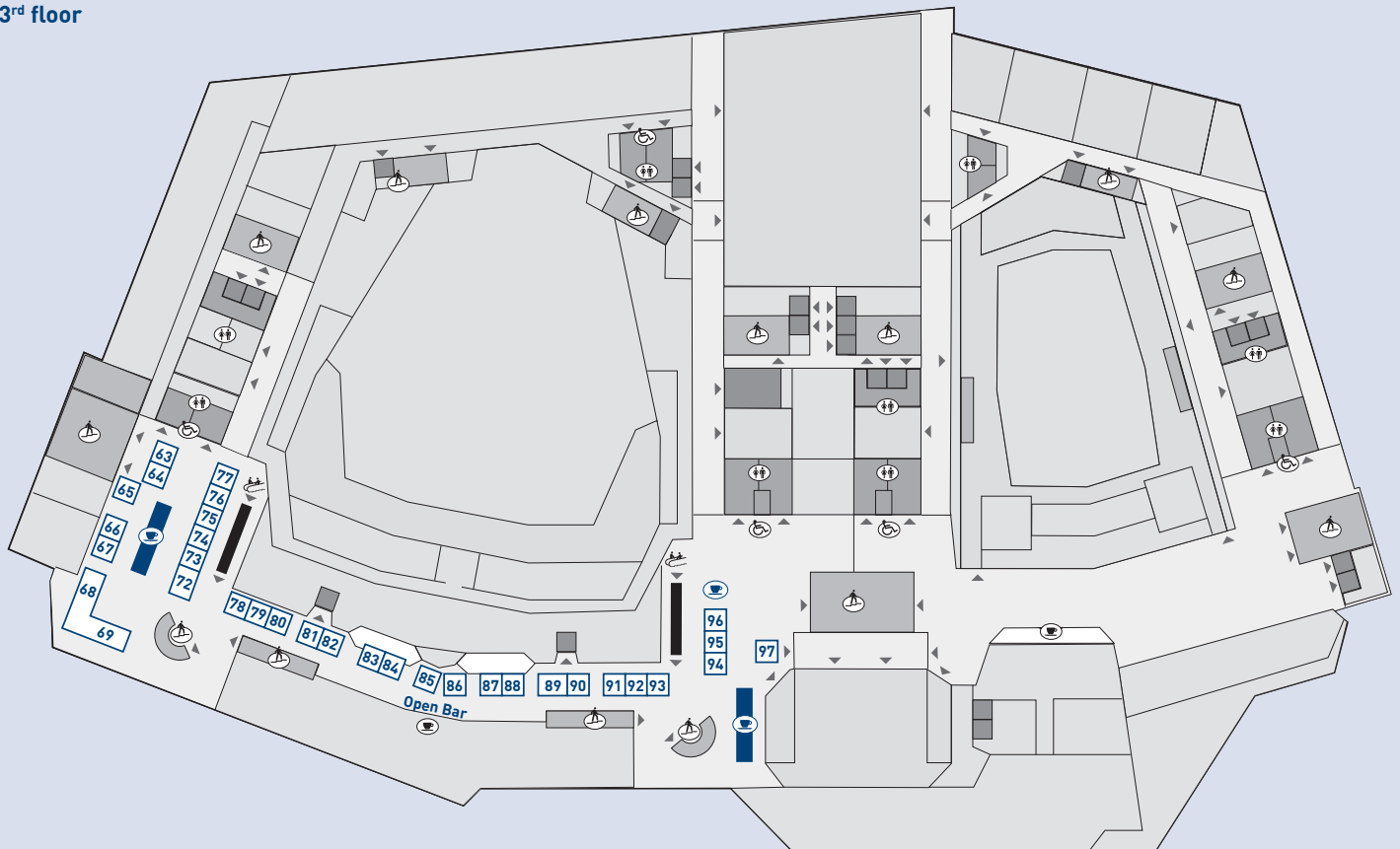
### Exhibition

The exhibition is located in the Congress Hall Foyer on the 2<sup>nd</sup> and 3<sup>rd</sup> floor of the Prague Congress Centre.


#### 2<sup>nd</sup> floor



#### 3<sup>rd</sup> floor



1	
GAZPROMNEFT-BITUMEN MATERIALS / NIS a.d.	
www.nis.eu;www.gazprom-neft.com	


2	
BTC Europe GmbH	
www.btc-europe.com	


4 – 5	
Rheinbraun Brennstoff GmbH	
www.lignite-energy.com	


6 – 7	
Ingevity Europe	
www.ingevity.com	

10 – 11	
EuLA - European Lime Association	
www.eula.eu	

10a	
Korea Institute of Civil Engineering and Building Technology (KICT)	
www.kict.re.kr	


12 – 13	
Arizona Chemical	
www.arizonachemical.com	

14	
LASTRADA / Dr. Jung & Partner	
www.lastrada.de.com	


14a – 15a	
RUTHMANN GmbH	
www.ruthmann.info	

16 – 17	
BENNINGHOVEN GmbH & Co. KG	
www.benninghoven.com	

16a – 17a	
OMV Refining & Marketing GmbH	
www.omv.cz	

18 – 21	
Konimpex Sp. z o.o.	
www.konimpex.pl	

22 – 23	
Rubitron company	
www.rubitron.ru	

24 – 25	
DuPont	
www.dupont.com	




26 - 29	
<b>ExxonMobil</b>	
<a href="http://www.corporate.exxonmobil.com">www.corporate.exxonmobil.com</a>	

46	 <b>Suprator®</b> BWS TECHNOLOGIE
<b>BWS Technologie / SUPRATOR</b>	
<a href="http://www.suprator.com">www.suprator.com</a>	


30 - 33	 <b>TOTAL</b> COMMITTED TO BETTER ENERGY
<b>Total Marketing Services</b>	
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47	 <b>infraTest®</b> TESTING SYSTEMS
<b>infraTest Prüftechnik GmbH</b>	
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34 - 37	
<b>NYNAS AB</b>	
<a href="http://www.nynas.com">www.nynas.com</a>	

48	
<b>ASI Solutions Ltd</b>	
<a href="http://www.rhinophalt.com">www.rhinophalt.com</a>	

38 - 41	 <b>macismo</b> asphalt innovations
<b>Macismo asphalt innovations</b>	
<a href="http://www.macismo.com/2015/">www.macismo.com/2015/</a>	

49	 <b>ValoChem</b> Valorization of Chemicals
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51	 <b>CFF</b> <a href="http://www.cff.de">www.cff.de</a>
<b>CFF GmbH &amp; Co.KG</b>	
<a href="http://www.cff.de">www.cff.de</a>	

45	 <b>ORLEN</b> <b>Asfalt</b>
<b>ORLEN Asfalt Sp. z o.o.</b>	
<a href="http://www.orlen-asfalt.pl;www.orlen-asfalt.cz">www.orlen-asfalt.pl;www.orlen-asfalt.cz</a>	

52 - 55	 <b>E-MAK</b>
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53 - 54	
<b>Sasol Performance Chemicals</b>	
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67	
<b>Fliegl Bau und Kommunaltechnik GmbH</b>	
<a href="http://www.fliegl.com">www.fliegl.com</a>	

56 - 59	 <b>Shell Bitumen</b>
<b>Shell International Petroleum Co.Ltd</b>	
<a href="http://www.shell.com">www.shell.com</a>	


68 - 69	  
<b>European Asphalt Pavement Association</b>	
<a href="http://www.eapa.org">www.eapa.org</a>	
<b>Eurobitume</b>	
<a href="http://www.eurobitume.eu">www.eurobitume.eu</a>	

60 - 62	
<b>Kraton Performance Polymers, Inc.</b>	
<a href="http://www.kraton.com">www.kraton.com</a>	

72 - 74	
<b>LOTOS Asphalt Sp. z o.o.</b>	
<a href="http://www.lotosasfalt.pl">www.lotosasfalt.pl</a>	


63	
<b>TEC Container Solutions</b>	
<a href="http://www.tecint.co.uk">www.tecint.co.uk</a>	

75 - 76	
<b>CECA, Arkema group</b>	
<a href="http://www.cecachemicals.com">www.cecachemicals.com</a>	

64	
<b>MATEST S.p.A. Unipersonale</b>	
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<b>Innophos, Inc.</b>	
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65	
<b>ITERCHIMICA SRL.</b>	
<a href="http://www.iterchimica.it">www.iterchimica.it</a>	

78 - 79	
<b>AkzoNobel Asphalt Applications</b>	
<a href="http://www.sc.akzonobel.com">www.sc.akzonobel.com</a>	

66	
<b>ICL Advanced Additives</b>	
<a href="http://www.icl-pp.com">www.icl-pp.com</a>	


80	
<b>WW Equipment</b>	
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81 - 82	<b>Zydex<sup>®</sup></b>
<b>Zydex Industries</b>	
<a href="http://www.zydexindustries.com">www.zydexindustries.com</a>	

91 - 92	 <b>iber</b> International Bitumen Emulsion Federation
<b>IBEF</b>	
<a href="http://www.ibef.net">www.ibef.net</a>	

83 - 84	<b>CONTROLS GROUP</b>
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<a href="http://www.otoyolas.com.tr">www.otoyolas.com.tr</a>	

93	 <b>cooper</b> TECHNOLOGY PART OF THE COOPER GROUP
<b>Cooper Research Technology Ltd.</b>	
<a href="http://www.cooper.co.uk">www.cooper.co.uk</a>	

87 - 88	 <b>Road Science<sup>™</sup></b> Division of ArrMaz Custom Chemicals
<b>Road Science Division of ArrMaz</b>	
<a href="http://www.roadscience.net">www.roadscience.net</a>	

94	 <b>OPAL</b>
<b>Opal Antistripping Additives</b>	
<a href="http://www.opalpains.com">www.opalpains.com</a>	

89	 <b>ADFORS</b> SAINT-GOBAIN
<b>SAINT-GOBAIN ADFORS CZ s.r.o.</b>	
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95 - 96	<b>DENIMOTECH OKUR</b>  STRONGER TOGETHER
<b>DENIMOTECH OKUR INDUSTRIES</b>	
<a href="http://www.denimotech.com">www.denimotech.com</a>	

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<b>Astec &amp; Roadtec</b>	
<a href="http://www.roadtec.com">www.roadtec.com</a> ; <a href="http://www.astecinc.com">www.astecinc.com</a>	

97	 <b>Cargill<sup>®</sup></b>
<b>Cargill Industrial Specialties</b>	
<a href="http://www.cargill.com">www.cargill.com</a>	



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Nynas

Nynas is a different kind of oil company

Our business is specialised oil applications – we use oil to create sustainable value. Within our field of specialisation, we're a world leader. We collaborate with our customers to continuously improve their products and processes through the unique properties of our specialty oils.

That's what we call – Taking oil further.

To find out more, visit our stand and [www.nynas.com](http://www.nynas.com)



ORLEN Asphalt Sp z o.o

ORLEN Asphalt Sp z o.o. is a part of the ORLEN Group and one of the leading provider of bitumen for road applications in Poland and Central Europe. ORLEN Asphalt Capital Group includes ORLEN Asphalt Česká republika company and branch office in Bucharest. ORLEN Asphalt is also user of bitumen rail terminal, equipped with three tanks with a total capacity of 5,000 tons.

The company currently offers bitumens from five ORLEN Group production facilities in Płock and Trzebinia (Poland), Pardubice and Litvínov (Czech Republik) and Mažeikiai (Lithuania):

- paving grade bitumens,
- ORBITON Polymer Modified Bitumens,
- ORBITON HiMA Highly Modified Bitumens
- BITREX multigrade paving bitumens,
- industrial bitumens

Our aim is to increase sales on the European markets, develop the image of a major provider in Europe and to maintain a leading position in the domestic market.



Rubitron

Rubitron is the Russian producer of polymer-modified bitumen (PMB). Our state-of-the-art plant is located near Moscow and is certified according to EN 14023:2010. Production capacity is

10,000+ tons per month. We are able to produce all types of PMB grades according to European national standards and to individual customers specs. The company also offers its own innovative solution for cold bitumen logistics: 1-ton container (Rubitainer®) and high-performance & eco-friendly equipment for bitumen / PMB melting and heating (Rubitherm®).



ExxonMobil

ExxonMobil, the world's largest publicly traded international oil and gas company, uses innovation and technology to deliver energy to a growing world. ExxonMobil manufactures and markets bitumen products throughout the world. For decades ExxonMobil has been a reliable supplier of quality products by maintaining high product integrity from crude selection to finished bitumen.

As one of the largest integrated refiners and marketers of petroleum products, ExxonMobil owns a refinery network to serve as an attractive supply base around the world.

ExxonMobil's sales and technical teams are a committed partner to grow your business. Visit the ExxonMobil booth to meet with your dedicated sales representative and learn more.



Gazprom Neft

Gazprom Neft is one of Russia's leading producers and suppliers of bitumen products.

The company's key production facilities are based in the Moscow, Omsk, Yaroslavl and Ryazan Oblasts, as well as in Serbia (NIS) and Kazakhstan. The company produces road, construction and roofing bitumens, as well as polymer-modified bitumens and binders (specifically G-Way Styrelf), and bitumen emulsions and fillers.

Gazpromneft Bitumen Materials (Gazpromneft BM LLC) is an operator of the Gazprom Neft bitumens business. Established in October 2014, the company now holds a leading position on the Russian bitumens market. The company has been exporting bitumen materials since March, 2015.

NIS (in one of its Oil Refinery, located in Serbia's town of Pančevo) among other oil products produces road and polymer-modified bitumen pursuant to EN standards to cater to the needs of supply of both local and regional markets.



#### J. Rettenmaier & Söhne Group

At J. Rettenmaier & Söhne Group, we have dedicated ourselves to the research, development and processing of high quality, organic fibers derived from natural and sustainable raw materials.

Our fiber expertise, application know-how and innovations gave us the reputation being the number one reliable partner for the asphalt industry for more than 30 years. VIATOP® pellets – our fibers with bituminous coating and additional functional additives inside – for decades have been the benchmark for fiber additives delivering the best quality and functionality for modern asphalt concepts.

A wide range of pelletized fiber additives for various additional functions enhance the properties of the final mixes.

Visit us at stand no.42 to get ready for the future – with VIATOP®!

# Konimpex

#### Konimpex

Konimpex is the exclusive supplier of SBS products made by Sibur LLC on European and Turkish markets. We create tailor made supply chain for bitumen, pavement and roofing industries.

Our partners can count on full range of services including long-term warehousing in heated facilities, repacking services, fast reaction on queries and efficient global logistics. Our experience, flexibility and complexity makes us a reliable and trustworthy supplier with a unique expertise based on more than 27 years of experience in worldwide business. Poland-based Konimpex has offices in Turkey, France, Romania, Russia and China which distribute their products to more than 50 countries.

# macismo

  
asphalt innovations

#### Macismo asphalt innovations

Macismo Asphalt Innovations is an established international supplier to the road and surface treatment industries. Producing premium additives designed to enhance the mixing and laying characteristics and prolong the service life of asphalt materials, Macismo derive solutions from sustainable sources to deliver ultimate performance and excellent customer service the world over.

#### Contact details:

Telephone: +44 (0) 1905 454993

Email: [info@macismo.com](mailto:info@macismo.com), website: [www.macismo.com](http://www.macismo.com)



## Shell Bitumen

#### Shell Bitumen

Shell Bitumen is the world's largest marketer of bitumen with over 1600 customers across 28 countries. We supply enough bitumen to resurface 450km of road every day; that's enough to travel around the world four times in one year!

Our products have paved some of the world's most iconic infrastructure projects; airport runways, Formula One™ race tracks, landmark roads and tunnel/bridges.

#### Bitumen Expertise

- Serving the bitumen industry since 1920
- One lane kilometre of road is paved every four minutes using Shell bitumen
- Leaders in innovation – Forty nine active patents linked to bitumen and asphalt, recognised as a leader in developing next-generation products for the road industry, bringing numerous firsts to market; coloured binders, low-temperature solutions and low-odour bitumen



# TOTAL

  
COMMITTED TO BETTER ENERGY

#### Total

With operations in more than 130 countries, Total is a leading international oil and gas company. Total is a worldwide marketer in bitumen and the leading marketer in Western Europe, bringing innovative solutions not only for the durability of the works but also considering the major societal and environmental stakes.

**For the contact, the link to the company website is**  
**[www.bitumen.total.com](http://www.bitumen.total.com)**

## MEDIA PARTNERS





## PROGRAMME FOR ACCOMPANYING PERSONS

All tours will be in English language.

### Wednesday, 1 June 2016

09:30–13:00	<b>Grand City Tour (included in the registration fee for the accompanying persons)</b>	
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### Thursday, 2 June 2016

09:00–12:30	<b>Prague Castle incl. Interiors</b>	35 EUR
14:00–16:30	<b>Jewish Quarter and Old Town</b>	40 EUR

### Friday, 3 June 2016

09:00–13:30	<b>Karlštejn Castle</b>	35 EUR
12:00–14:30	<b>Boat trip with lunch</b>	30 EUR

### Saturday, 4 June 2016

09:00–16:00	<b>Pilsen and Pilsner Urquell Brewery with lunch</b>	55 EUR
09:00–12:30	<b>Prague Castle incl. Interiors</b>	35 EUR

All tours will depart from and return to the Prague Congress Centre.

### Grand City Tour



During this detailed sightseeing tour, we will introduce Prague (UNESCO) as a historical and architectural jewel of Central Europe. Our guide, who will be available the whole time, will acquaint you with the history of Prague and its quarters (The Old Town, The New Town, and The Lesser Quarter) from the comfort of an air-conditioned bus. The second part of the tour will take you to the grounds of Prague Castle and dominant feature – Saint Vitus Cathedral. After an (approx.) 75-minute walk with our guide, you will return by bus to the banks of the Vltava River, where you will

board a tour boat. Here you will have the chance to relax or enjoy refreshments while admiring the beauty and panorama of Prague from a different perspective. From the deck, you will also see the world-known Charles Bridge. Refreshed, you will continue your pleasant walk through the Jewish Quarter to the Old Town Square with its astronomical clock and Týn Church.

### The Prague Castle incl. Interiors



This is a sightseeing tour to the Prague Castle. You will take part in one of the sightseeing tours of the Prague castle including the Old Royal Palace, St. Georges Cathedral, St. Vitus Cathedral and the Golden Lane. You will walk through the Prague castle area and hear lots of interesting things about the history, architecture and the present life here. Including the entrance fee to: Old Royal Palace, St. Georges Cathedral, St. Vitus Cathedral, Golden Lane.



### The Jewish Quarter and The Old Town



This half-day walk tour takes you to the historic heart of the city – the Old Town. That was settled more than 1,000 years ago. The tour begins in the Old Town Square with the magnificent houses, palaces and churches of various architectural styles and the famous Astronomical clock. The trip continues into the Jewish Quarter. The story of the Prague Jewish community can be followed to the mid-tenth century. During this walk you will visit the Old Jewish Cemetery, the foundation of which dates back to the 15<sup>th</sup> century, the oldest European synagogue – the Old-New Synagogue and several more.

### Karlštejn Castle



This half-day trip takes you to the Karlštejn Castle, built in the 14<sup>th</sup> century on top of an inaccessible cliff above the Berounka river. You can explore the Crown jewels and relics of the most popular Bohemian king Charles IV. The castle is surrounded by a beautiful and romantic countryside and it is the most visited castle in the Czech Republic.

### Boat trip with lunch



Enjoy two delightful hours on board of a tour boat. We will take you by bus to the pier where our boat will be waiting for you. During this midday cruise you will be served a tasty lunch while admiring marvelous baroque palaces, churches and all the historical buildings on both banks of the Vltava River.

### Pilsen and Pilsner Urquell Brewery with lunch

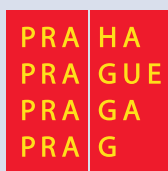


Pilsen is the place where the beer was born in 1842 – the “golden lager”. Since then the whole world has been trying to imitate it. The attribute “pilsner” or “Pilsener” can be counted in hundreds of beers, but the only original is the world-known Pilsner Urquell. In the world of Pilsner Urquell you will recognize the secrets of this original and learn about this Czech art – brewing a good beer. Have a look around the town.

## SOCIAL PROGRAMME

### Congress Dinner at the Žofín Palace

<b>Date:</b>	<b>Wednesday, 1 June 2016</b>
<b>Time:</b>	<b>19:00–23:00</b>
<b>Price:</b>	<b>Free for all registered delegates, exhibitors and accompanying persons</b>
<b>Dress Code:</b>	Semi-formal
<b>Programme:</b>	piano player in the Main hall and Trio Jazz Band in the Small hall Full buffet style dinner (starters, cold and hot main courses, salads, desserts) and unlimited wine, beer and soft drinks.
<b>Congress Transfer:</b>	Return bus transfer has been arranged for all participants
<b>To Žofín:</b>	
<b>Congress bus pick-up point:</b>	Prague Congress Centre, Entrance no. 10
<b>Time of departure:</b>	Continuous Transfer from 18:00 to 18:45 (Last departure 18:45)
<b>From Žofín:</b>	
<b>Time of departure:</b>	22:00, 22:30, 23:00, 23:30, 24:00
<b>Busses will stop at:</b>	I. P. Pavlova and Prague Congress Centre
<b>Supporter:</b>	City of Prague



The neorenaissance Žofín Palace is one of the most notable architectural treasures. Žofín Palace is used for important social events, conferences, concerts and balls. The Large Hall at Žofín regularly hosts the most prominent personalities from business, politics and the arts in this country and abroad.

### Poster Session Happy Hour & Beer Tasting (sponsored by Rubitron)

<b>Date:</b>	<b>Thursday, 2 June 2016</b>
<b>Time:</b>	<b>17:30–19:00</b>

**Sponsor:**



The Poster Session Happy Hour & Beer Tasting take place in the Prague Congress Centre in the Poster Area on the 4<sup>th</sup> floor.



## ORGANISERS



EUROPEAN ASPHALT PAVEMENT ASSOCIATION

### European Asphalt Pavement Association – EAPA

EAPA is the European industry association representing the manufacturers of bituminous mixtures and companies engaged in asphalt road construction and maintenance. EAPA's mission is to promote the good use of asphalt in the creation and maintenance of a sustainable European road network. EAPA is a non-profit organisation founded in 1973 and operates a permanent office since 1990. Since 2005 its office is located in Brussels, Belgium.



### European Bitumen Association – Eurobitume

Eurobitume is the European industry association for the producers of refined bituminous products in Europe. The organisation was founded in 1969 and since 1993 has had a permanent office in Brussels, Belgium. Eurobitume is a non-profit organisation and works to promote the efficient, effective and safe use of bituminous binders in road, industrial and building applications. Eurobitume and its members are committed to high quality, European product standards, and best practice in the transport, and handling and use of bitumen. The membership extends to all European countries.

### Congress Steering Group Members

Siobhan McKelvey, Ayberk Özcan, José Luis Prieto Menéndez, John Kruse Larsen, Aimé Xhonneux, Egbert Beuving

## CONGRESS SECRETARIAT

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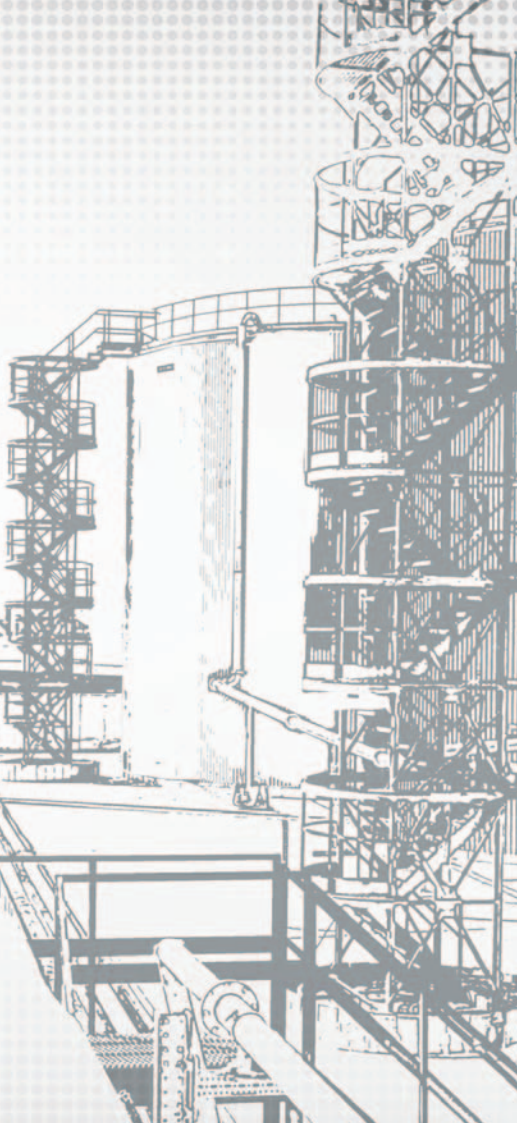


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FOR ROAD APPLICATIONS  
IN CENTRAL EUROPE



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POLYMER-MODIFIED BITUMEN FROM RUSSIA CERTIFIED  
ACCORDING TO EN 14023:2010.

OWN INNOVATIVE SOLUTION FOR COLD BITUMEN/PMB LOGISTICS.





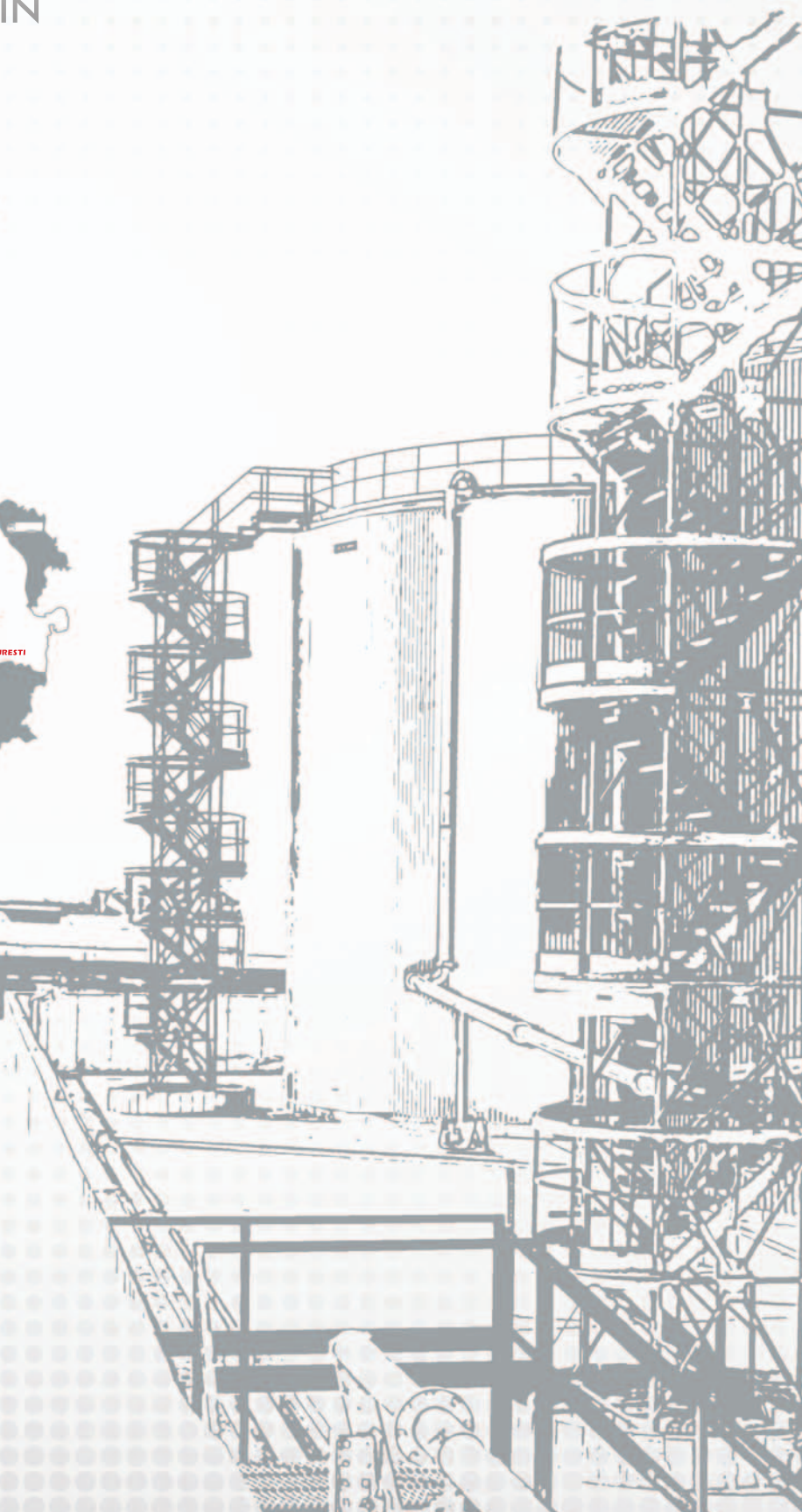






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