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Innovative Solutions – Benefiting Society

12TH INTERNATIONAL SYMPOSIUM ON CONCRETE ROADS 2014

September 23–26, 2014
Prague, Czech Republic

PROCEEDINGS

EUPAVE EUROPEAN CONCRETE PAVING ASSOCIATION
VUMO RESEARCH INSTITUTE OF BINDING MATERIALS PRAGUE, Ltd.
SVAZ VÝROBCŮ CEMENTU ČR
GUARANT INTERNATIONAL

PROGRAMME

To see a detailed programme in a PDF format click here.

Tuesday, September 23, 2014		
13:00–20:00	***Registration***	
18:00–18:30	**Opening speech**	**Hall 1**
18:30–20:00	**Opening Ceremony & Welcome Cocktail**	**Hall 1**
13:30–17:00	*Accompanying Persons´programme*	

Wednesday, September 24, 2014		
08:00–18:00	***Registration***	
09:00–10:15	**Opening speech** **Keynote speech**	**Hall 1**
10:15–10:40	***Coffee break***	
10:40–12:20	**General Reports**	**Hall 1**
12.20–12:30	ISCP speech	**Hall 1**
12.30–13:30	***Lunch***	
13:30–15:15	**Session 1** **Theme 1 – Sustainable Pavements**	**Hall 1**
13:30–15:15	**Session 2** **Theme 2 – Solutions for Urban Areas**	**Hall 2**
13:30–15:15	**Session 3** **Theme 3 – Design and Construction**	**Hall 3**
15:15–15:45	***Coffee Break***	
15:45–17:30	**Session 4** **Theme 1 – Sustainable Pavements**	**Hall 1**
15:45–17:30	**Session 5** **Theme 3 – Design and Construction**	**Hall 2**
15:45–17:30	**Session 6** **Theme 4 – Maintenance and Rehabilitation**	**Hall 3**
09:00–12:30	*Accompanying Persons´programme*	

Thursday, September 25, 2014		
09:00–10:30	**Session 7** **Theme 3 – Design and Construction**	**Hall 1**
09:00–10:30	**Session 8** **Theme 4 – Maintenance and Rehabilitation**	**Hall 2**
09:00–10:30	**Session 9** **Theme 1 – Sustainable Pavements**	**Hall 3**
10:30–11:00	***Coffee Break***	
11:00–11:45	**Session 10** **Poster Session**	**Hall 1+2**
11:45–12:15	**Information to technical visits**	**Hall 1**
12:15–13:30	***Lunch***	
13:30–18:00	**Technical visits**	
20:00–23:00	**Symposium Gala Dinner**	
09:00–14:00	*Accompanying Persons´programme*	

Friday, September 26, 2014		
09:00–10:45	**Session 11** **Theme 3 – Design and Construction**	**Hall 1**
09:00–10:45	**Session 12** **Theme 2 – Solutions for Urban Areas**	**Hall 2**
09:00–10:45	**Session 13** **Theme 3 – Design and Construction**	**Hall 3**
10:45–11:15	***Coffee Break***	
11:15–12:30	**Session 14** **Theme 3 – Design and Construction**	**Hall 1**
11:15–12:30	**Session 15** **Theme 1 – Sustainable Pavements**	**Hall 2**
11:15–12:30	**Session 16** **Theme 4 – Maintenance and Rehabilitation**	**Hall 3**
12:30–14:00	***Lunch***	
14:00–15:30	**Plenary closing session**	**Hall 1**
	DUT conference report	
	Best Technical Paper Award **Best Marketing Paper Award** **Conclusion** **Last Word**	
15:30–16:00	**Closing of the Symposium**	
09:00–13:00	*Accompanying Persons´programme*	

FLATNESS AND LEVELNESS OF CONCRETE PAVEMENTS FOR INDUSTRIAL AREAS: REQUIREMENTS AND EVALUATION METHODS (ID 145)

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Among various construction activities, related to concrete pavement technologies, an important role is reserved to industrial floors; these structures, in many cases, present the same technical problems of road pavements. Characteristics, construction techniques, exercise conditions, maintenance and control of industrial pavements, in effect, are very similar to the ones usually defined for road infrastructures; on the other hand, in both cases it is necessary to ensure resistance and stability, durability, reliability and many other requirements. In particular, the flatness is a special requirement that assumes a real significance respect to functional performances, especially when the pavement has to allow the movement of vehicles and goods or the storage in elevated stacks or shelves. The flatness can be defined in different ways, but in every cases it is referred to pavement surface geometry, that has to be even (without superelevated or depressed areas) and level (horizontal, without grades, curvatures and waves). The acceptance limits are defined by some technical standards, in various Countries, together with the suitable methods for measurements and controls. In many cases, however, these methods are considered not really feasible or easy, in particular when a continuous sampling of the pavement, along the selected alignments, is needed. To facilitate the effectiveness of the control methods, it is possible to realize the surveys and the following data processing as in the infrastructure management activities. In particular, the paper describes the operating procedures to calculate indexes F_F and F_L, according to ASTM 1155M standard, starting from data provided by a contact profilometer.

KEYWORDS
CONCRETE PAVEMENTS / INDUSTRIAL FLOORS / SURFACE PROPERTIES / FLATNESS / LEVELNESS / PROFILOMETER / ANALYSIS