



## MAÚT25 INTERNATIONAL SCIENTIFIC SYMPOSIUM

*Budapest, Hotel Gellért, 17-18 September 2019*

### PROGRAMME

**17 September 2019 (Tuesday)**

<b>9:00-9:15</b>	<b>Dr. László Mosóczy</b> State Secretary, Ministry for Innovation and Technology	<b>Welcome Speech</b>
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#### **Session 1 - Opening**

Session Chair: András Mayer

9:15-9:30	Szabolcs Nyiri Chairman, MAÚT	Opening
9:30-10:00	Francois Chaignon	Future of HMA: What are the needs?
10:00-10:15	Dr. Ferenc Horvát	Utilisation of research and development results on professional field of railway infrastructure
10:15-10:30	Dr. Michel Virlogeux	Long span bridges

#### **10:30-11:00 Coffee break**

#### **Session 2**

Session Chair: Zsolt Thoroczky / Dr. Michael Rohleder

11:00-11:30	Lukas Prettnner	Cost saving potentials by the use of new rail steels based on life cycle cost considerations
11:30-12:00	Dr. Akio Kasuga	Evolution of bridge construction - Non-metallic bridges
12:00-12:30	Dr. Kamil Elias Kaloush	Sustainable pavements: Bridging research and industry practices
12:30-13:00	Dr. Lajos Kisgyörgy	From research to innovation: Case study of a road pavement research project

#### **13:00-14:00 Lunch break**

#### **Session 3**

Session Chair: Zsolt Völgyesi / Zbigniew Kotlarek

14:00-14:30	Adrián Horváth	I'm innovating, therefore I am – (Everyday) practice of innovation
14:30-15:00	Heinz Ossberger	Modern highspeed turnout system solution - From geometric and structural requirements to signaling integration
15:00-15:30	Dr. Igor Ruttmar	Perpetual pavement design, S8 Expressway
15:30-15:45	János Béli	Rail diagnostic developments
15:45-16:00	Dr. Szabolcs Fischer, Erika Juhász	Analysis of crushed ballast particles under laboratory measurement conditions

#### **16:00-16:30 Coffee break**

#### Session 4

Session Chair: József Attila Szilvai / Ján Šedivý

16:30-17:00	Ede Andráskey	Gotthard: from the path to the railway base tunnel - 2000 years of the Alpine crossing
17:00-17:30	Dr. János Szendefy	Possibilities to determine the bearing capacity of earthwork and description of methods for improving the bearing capacity
17:30-18:00	Dr. György L. Balázs	New materials for concrete bridges

**19:00-22:30 Awarding Ceremony, Gala Dinner**

**18 September 2019 (Wednesday)**

#### Session 5

Session Chair: Dr. György L. Balázs / Dr. Martin Fellendorf

9:00-9:30	Dr. S. K. Jason Chang	Mobility as a service: research, development and case studies in Taiwan
9:30-10:00	Stefan Vonbun	Elastic elements in track influencing total track costs and reducing vibrations
10:00-10:30	Zsolt Boros	Homogenisation layer – A green and innovative answer for reconstruction of old cement-concrete roads

**10:30-11:00 Coffee break**

#### Session 6

Session Chair: Dr. Kornél Almássy / Dr. Philippe Chifflet

11:00-11:30	Harald S. Müller	Service life design for traffic infrastructure of concrete – State of the art and new approaches
11:30-12:00	Dr. Alfred Weninger-Vycudil	European trends in pavement management – a challenge for Austrian road administrations
12:00-12:20	Dr. László Dunai	Theoretical and experimental investigations of our historic Danube bridges
12:20-12:40	Dr. Ervin Joó	Experiences of operating test of turnouts with different rail inclination and rail material installed in the same railway station
12:40-13:00	József Grabarits	The past, present and future of tunnel construction in Hungary in the light of international practice

**13:00-14:00 Lunch break**

## Session 7

Session Chair: Dr. Ferenc Horvát / Dr. Gábor Köllő

14:00-14:10	Gábor Szabó	Construction of the steel structures of the new Danube bridge in Komárom-Komarno
14:10-14:20	Tamás Attila Tomascsek	Towards connected and automated driving in Hungary – The changing role of the road operator
14:20-14:30	Dr. Tibor Mocsári	Road safety investigations in design and building
14:30-14:40	Dr. Zoltán Major	Special problems of embedded rails in urban tracks
14:40-14:50	Dr. Frigyes Törőcsik	Past and present of road construction technologies
14:50-15:00	Pál Pusztai	Megyeri bridge: Cable-stayed bridge on the main Danube branch
15:00-15:10	Dr. Ákos Vinkó	Smartphone motion sensor-based ride quality test for detecting vehicle safety and track maintenance issues on tramways
15:10-15:20	Dr. Pál Zoltán Bite	The concept of permanent noise monitoring stations along highways and railwaylines
15:20-15:30	Erika Juhász	GySEV 8 railway line, complex development plan of Csorna's railway station
15:30-15:40	Judit S. Vigh	Comprehensive analysis to reduce the severity of motorcycle accidents
<b>15.40-16:00</b>	<b>Szabolcs Nyiri Chairman, MAÚT</b>	<b>Closing of MAÚT25 International Scientific Symposium</b>



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