

www.maut.hu

In cooperation with:



HIDÁSZOKÉRT
EGYESÜLET

Sponsors:



MAÚT25 INTERNATIONAL SCIENTIFIC SYMPOSIUM

Budapest, Hotel Gellért, 17-18 September 2019

PROGRAMME

17 September 2019 (Tuesday)

9:00-9:15	Dr. László Mosóczy State Secretary, Ministry for Innovation and Technology	Welcome Speech
-----------	--	----------------

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?
10:00-10:30	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 Prettner	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: Dr. György L. Balázs / Zbigniew Kotlarek

14:00-14:15	Adrián Horváth	I'm innovating, therefore I am – (Everyday) practice of innovation
14:15-14:30	Dr. Ferenc Horvát	Utilisation of research and development results on professional field of railway infrastructure
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

19.30-22.30 Awarding Ceremony, Gala Dinner

18 September 2019 (Wednesday)

Session 5

Session Chair: András Rétháti / 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	Zoltán Előhegyi	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 Töröcsik	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. Vígh	Comprehensive analysis to reduce the severity of motorcycle accidents

**15.40-16:00 Szabolcs Nyiri
Chairman, MAÚT**

**Closing of MAÚT25 International
Scientific Symposium**