MIK PARTNERS’ DAYS
/Preliminary programme for special sessions/

17.10.2019 - Thursday

9.00 – 10.00: REGISTRATION

10.00 – 12.00: OFFICIAL OPENING & PLENARY SESSION

10.00 – 11.00: Welcome speaches by the leaders of the university (rector, dean)
   Speach by the Hungarian Ministry of Technology and Innovation Awards

11.00 – 11.20: Speach by Erik Slooten (IT Services Hungary)

11.20 – 11.40: Civil Engineers for sustainable and resilient future – research and education
   (in Hungarian with English translation)
   Dr. Zoltán Orbán, University of Pécs, Institute of Engineering and Smart Technology

11.40 – 12.00: Creation of energy-efficient home – Hungarian Nest*
   (in Hungarian with English translation)
   Dr. Tamás Kondor, University of Pécs, Faculty of Engineering and Information Technology

12.00 – 13.00: Buffet lunch

1st session: STRUCTURES AND SUSTAINABILITY
   Chairman: Dr. Zoltán Orbán

13.00 – 13.25: Doing more with less: optimization-driven conceptual design of structures
   Prof. Matthew Gilbert, University of Sheffield, UK

13.25 – 13.50: Safety of Reinforced Concrete Bridges dating back to the ’50s and ’60s:
   case studies, degradation, maintenance and future strategies
   Dr. Antonio Brencich, University of Genoa, Italy

13.50 – 14.15: Innovative solutions for the preservation of heritage masonry structures
   Dr. Jose Martin-Caro, INES Ingenieros Consultores, Spain

14.15 – 14.35: Analysis and retrofitting existing structures to improve seismic resistance
   Prof. Ivica Guljas, University of Osijek, Croatia

14.35 – 14.45: Discussions
14.45 – 15.00: Coffee Break
2nd session: UIC WORKSHOP ON MASONRY ARCH BRIDGES
Chairmen: Dr. Zoltán Orbán, Harald Sattler

- 15.00-15.10
Welcome & introduction of invited speakers – H. Sattler (UIC)

- 15.10-15.20
General information on the UIC Masonry Arch Bridges project – Z. Orbán

- 15.20-15.50
Structural behaviour - W. Harvey

- 15.50-16.30
Deterioration, inspection, monitoring - J. Martin-Caro, Z. Orban

16.30-16.45: Coffee break

- 16.45-18.00
Assessment - W. Harvey, M. Gilbert, A. Bencich

18.30: Social Dinner

18.10.2019 - Friday

3rd session: UIC WORKSHOP ON MASONRY ARCH BRIDGES
Chairmen: Dr. Zoltán Orbán, Harald Sattler

- 08.30-10.30
Serviceability, permissible load, life expectancy - M. Gilbert, J. Martin-Caro, A. Tomor

10.30-11.00 Coffee break

- 11.00-12.20
Repair, strengthening, extension of service life - J. Martin-Caro, A. Bencich

- 12.20-13.00
Further research for sustainability, discussions

13.00 – 14.00: Buffet lunch

The Workshop on Masonry Arch Bridges is organised in collaboration between the University of Pécs and the UIC International Union of Railways (www.uic.org)