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Issued by the Department of Rolling Stock at the GTE, Budapest, 2019
Registration Time
at the Conference Hall of Hotel FLAMENCO
Budapest, distr. XI. Tas-vezér str. 3 – 7.

8 September 2019: 16\(^{00}\) - 20\(^{00}\), Welcome Buffet
9 September 2019: 7\(^{30}\) - 15\(^{00}\)
10 September 2019: 8\(^{00}\) - 15\(^{00}\)
11 September 2019: 8\(^{00}\) - 13\(^{00}\)
12 September 2019: 8\(^{00}\) - 16\(^{00}\)

You are welcome as a participant of our Conference. We hope that you will be enriched with a great deal of new information both in your special field and in human relations.

If any question would arise in connection with the Conference, please contact our professional organiser

Mr. Gábor TÓTH
at the registration desk.

The Organising Committee
PROGRAMME OF THE CONFERENCE

Official Language: English

FIRST DAY
9 September, 2019 - 9:00

Opening Ceremony, Festive Addresses

9:25 Lectures Chairman: I. ZOBORY (Hungary)

9:30 - 9:55 KRETTEK, O. (Germany)
Environmental Influences Force Orientation Towards Rail Transport

10:00 - 10:25 SZANTO, F. (Australia)
Operation of A Single Air Spring Bogie

10:30 - 11:00 COFFEE BREAK

11:00 Lectures Chairman: O. KRETTEK (Germany)

11:00 – 11:25 RICHTER, (Germany)
Design by Accident – Accident by Design

11:30 – 11:55 SCHÖNHUBER, P. – ROLFF, E. – SCHINDLER, CH. (Germany)
Numerical Study on the Dynamics of a Novel, High-Speed Passenger Bogie Design without Primary Suspension Spring

12:00 – 12:25 BRACCIALI, A. – MAGNA, G. (Italy)
A Really Innovative Freight Bogie

12:30 – 12:40 CONFERENCE PHOTO (in front of Hotel FLAMENCO)

12:40 – 14:00 LUNCH BREAK

14:00 Lectures Chairman: O. POLACH (Switzerland)

14:00 – 14:25 BENICKY, M. – HAUP, L – KOPAL, J. (Czech Republic)
Locomotive Bogies from CZ Loko Production

14:30 – 14:55 ROMERO-NAVARRATE, J. – OTREMBA, F. (Germany)
Conceptual Design of an Active Centre Plate

Bogie for Freight Wagon
1530 - 1600  **COFFEE BREAK**

1600  **Lectures**  Chairman: **L. OROSZVÁRY** (Hungary)

1600 – 1625  **PLOMER, J.** (Czech Republic)
  *D-DART* Concept – A Way to Higher Capacity

  Development of Steering Mechanism and Control Method for Active Bogie Steering

1700 – 1725  **DONGFANG, S.** (Germany)
  Exploration into the Applicability of Running Dynamics of Conventional-Form Non-Powered Bogies with Very Small Wheels

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1800 - 2200  **CONFERENCE RECEPTION**
  in the **HALL OF HOTEL FLAMENCO**, Budapest, distr.XI. Tas-vezér str. 3 – 7.

  The Reception is sponsored by the

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  and the

  **SIEMENS MOBILITY (H)**
SECOND DAY
10 September, 2019 - 9:00

9:00  Lectures  Chairman: A. MATSUMOTO (Japan)

Development of Linkage Type Steering Bogie for the Linear Metro

9:30 - 9:55  NÉMETH, I. (Hungary)
Vibration of Friction Brake Systems – Modelling and Attenuation

Dynamics Simulation of a Light Rail Vehicle Based on EN-14363 Standard

10:30 - 11:00  COFFEE BREAK

11:00  Lectures  Chairman: N.S. VYAS (India)

11:00 - 11:25  DUSZA, M. (Poland)
Rail Vehicle Model Possibility of Safety Motion Analysis in the Overcritical Velocity Range

Estimating Method of Wheel-Rail Friction Condition by Using Pq Monitoring Bogie

12:00 – 12:25  BRACCIALI, A. – MAGNA, G. (Italy)
The Liberty Wheel

12:30 – 14:00  LUNCH BREAK

14:00  Lectures  Chairman: J. CSIBA (Hungary)

Flange Climb Derailments in Curving

14:30 - 14:55  VYAS, N. S. – NAYANI, M. – SINGH, R. K. (India)
Estimation of Wheel/Rail Forces from Vehicle Acceleration Data Using Artificial Neural Networks

15:00 - 15:25  SAKAI, H. (Japan)
Design Method for Suppressing Hunting Oscillations Focusing on Its Damping Ratio
15:30 - 15:55  MICHALEK, T. – ZELENKA, J. (Czech Republic)
Contribution of Active Elements in Locomotive Running Gear to Reduction of Guiding Forces

16:00 - 16:30  COFFEE BREAK

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LATE AFTERNOON – EVENING PROGRAM

NARROW GAUGE RAILWAY PARTY

sponsored by the

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Ganz Motor Ltd. (H)

Buses leave the Conference Centre at 16:30
After the Party
buses return by cca. 22:00
THIRD DAY
11 September, 2011 - 9:00

9:00  Lectures  Chairman: A. SZABÓ (Hungary)

9:00 - 9:25  KULKARNI, R. – BERG, M. – STICHEL, S. (Sweden)

Evaluation of Passive And Mechatronic Steering Systems for 3-Axle Locomotive Bogies by Means of Multi-Body Simulation

10:00 – 10:25  CSÉPKE. R. (Hungary)
New Regulations of the Rail/Wheel Contact Mechanism for Hungarian Tramway Tracks

10:30 - 11:00  COFFEE BREAK

11:00  Lectures  Chairman: Z. ZÁBORI (Hungary)

11:00 - 11:25  JOST, F. – GRATZFELD, P. (Germany)
Mechatronic Guidance for Trams Using a Novel Hall-sensor Array

Dynamic Simulation to Structural Damage

Data To The History of the Hungarian Bogie Type: Kaláka

12:30 - 14:00  LUNCH BREAK

14:00  Lecture  Chairman: I. ZOBORY (Magyarország)

14:00 – 14:20  KOVÁCS, A. (Hungary)
Railway Vehicle System Designing and Manufacturing of Products at the Budapest Works of the Knorr-Bremse Co.
*Introductory lecture to prepare the afternoon technical visit*

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AFTERNOON - EVENING PROGRAM:

1. Visiting the
2. Right after the visit:

**COUNTRY CONFERENCE BANQUET**

sponsored by the

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Buses leave the Conference Centre at **14:45**
After the Banquet
buses return to Budapest hotels by cca. **22:00**
FOURTH DAY
12 September, 2019 - 900

900  Lectures  Chairman: I. ZOBORY (Hungary)

900 – 925 WEBER, H. J. – RIEGER, M. (Austria)
Enhanced Safety Concept for Wheel-Set Axles: The Path
From Scientific Research to Innovation in Product Development

930 – 955 YAMAMOTO, D. (Japan)
The Monitoring System of Wheel/Rail Contact by Means of
Thermal Imaging

– MATSUOKA, A. – KAWADA, N. (Japan)
Discussion on The Concept and Performance of Derailment
Detector

1030 - 1100  COFFEE BREAK

1100  Lectures  Chairman: A. MATSUMOTO (Japan)

1100 – 1125 ALFI, S. – LIU, B. – BRUNI, S. (Italy)
Condition Monitoring of Suspension Components Based on
On-Board Acceleration Measurements

1130 – 1155 FERENCZ, P. (Hungary)
Investigations Into Impacts of Bogie Secondary Suspension
System Anomalies on Wheel Wear Propagation

(Japan)
Technologies for Achieving both Reliability Improvement and
Weight Reduction of N700s Shinkansen Bogie

1230 - 1400  LUNCH BREAK

1400  Lecture  Chairman: O. KRETTEK (Germany)

1400 – 1425 SZABÓ, A. – ZOBORY, I. (Hungary)
Selection of Parameters for Bogie Simulation on the Basis of
Experimental Research

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1430  Closing  Chairman: I. ZOBORY (Hungary)

CLOSING ADDRESS
Farewell Drink
PROGRAM OF THE POSTER SESSION

Posters will be exhibited near the Lecture Room between 9 and 12 September 2019

Discussions can be realised in coffee breaks and every day before the Afternoon Sessions between 13:30 and 14:00

CSÉPKE, R. (Hungary)
New Regulations of the Rail/Wheel Contact Mechanism for Hungarian Tramway Tracks

MIAMLIN, S. S. (Ukraine)
Improving Bogies’ Design for Narrow Gauge Railways

ZOBORY, I. – NAGY, D. (Hungary)
Creep Control in Brake Operation to Avoid Wheel Sliding and Flattening

FERENCZ, P. (Hungary)
The Question of Lifetime: Extension Possibilities of Bogie Force Transmission Elements on The Basis of Condition Test Results

CHVOJAN, J. (Czech Republic)
Tools and Professional Activities of Research and Testing Institute In Pilsen in the Field of Development and Quality Increasing of Railway Stocks and Their Components
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SITUATION OF HOTEL FLAMENCO