

You are kindly invited to participate in the

11th INTERNATIONAL CONFERENCE ON RAILWAY BOGIES AND RUNNING GEARS

to be held between **9 and 12 September, 2019** in Budapest, Hungary, hosted by the **Section of Rolling Stock at the Hungarian Scientific Society of Mechanical Engineers** (SSME).

The Scope of the Conference

This **eleventh** Conference (the first, second, third, fourth, fifth, sixth, seventh, eighth, ninth and tenth were held also in Budapest in 1989, 1992, 1995, 1998, 2001, 2004, 2007, 2010, 2013 and 2016 resp.) will cover topics related to research, development, design, manufacturing and operation of the **most sophisticated** mechanical units of railway vehicles: **the bogies and the running gears**.

The Aim of the Conference is to offer an opportunity for the specialists in the field from all over the World to present results of their activities, both the very latest results and results achieved over the last 3 years. The Conference will also enable participants to become acquainted with the work of others, to promote further development by means of discussion and comments, and to profit from making new personal contacts. Overall the Conference will help to define new directions for future technical research and development.

Programme

The 40 papers to be lectured in the Oral Sessions, and the maximum 20 papers to be exhibited in the Poster Session will be selected by the **International Scientific Committee** from among the *paper offers* received. After the lec-

tures the participants will be free to ask questions or to make comments.

The Organising Committee would like to encourage an international exchange of information, ideas and solutions to practical problems in the **following topics**:

- Design and Operation of Bogies and Running Gears
- Powered and Trailer Bogies and Running Gears for High Speeds
- Powered and Trailer Bogies and Running Gears for Heavy Haulage
- Powered and Trailer Bogies and Running Gears for Light Rail Cars
- Non-Conventional Bogie- and Running Gear Constructions
- Special Problems of Designing Welded Bogie Frames
- Advanced Brake Systems in Bogies
- Interaction between the Brake System and the Running Gear
- Mechanics of Bogies and Running Gears
- Wheel-Rail Contact- and Wear Simulation, Optimisation and Measurement
- Prediction of Riding Stability, Riding Comfort and Riding Safety
- Advanced Control of Bogies and Running Gears
- Computer Aided Optimum Design of Bogies and Running Gears
- Strength Dimensioning of Bogies and Running Gears, Loading Conditions, Fatigue Problems, Service Life Predictions
- Fretting Fatigue in Bogies and Running Gears
- Manufacturing, Repair and Maintenance Problems of Bogies and Running Gears
- Testing and Qualification of Bogies and Running Gears
- Operation Reliability Predictions for Bogies and Running Gears

Languages

The official language of the Conference will be **English**.

Exhibition

The opportunity is offered to exhibit models, photos and documentations of *products, technologies* and *know-how* for publicity purposes.

Invitation

If you wish to contribute to the Conference with a lecture, you are kindly requested to send (**preferably by e-mail**) a **one-page Abstract of the topic** to be lectured, **clearly indicating also the title, the name of author(s), affiliation, mailing address, Phone and Fax numbers**, as well as **E-mail address**. **Abstracts must be received by 30 April, 2019**. Please send back also the filled in **Pre-Registration Form**

If you wish only to listen to the lectures, it is enough to send your **Pre-Registration Form by 30 May, 2019**.

The number of Conference Participants is limited to 170 persons.

If you intend to exhibit, please, send a **separate letter** to the Organising Committee, naming the *exhibition material* and indicating the *area needed*.

Participation Fees

The **Conference participation fee is 550 € (for contributors only 450 €)**, which includes the costs of the *abstracts, preliminaries, Conference Reception, lunches, Conference Dinner and the Proceedings*. The Proceedings will be published after the Conference and mailed to all participants.

Accommodation

Accommodation should individually be arranged by the participants. The organisers have made reservations for accommodation for the time span 9-12 September 2019, as follows:

single-bed room/night double-bed room/night

Hotel Flamenco 99 € 109 €

e-mail: flamenco.reservation@danubiushotels.com

Hotel Gellért 105 € 165 €

e-mail: daniel.hasitz@danubiushotels.com

Hotel IbyStyles

Budapest City West 94 € 100 €

e-mail: hb350-re1@accor.com

In your order, **please indicate BOGIE '19**. Please note that all accommodation prices include breakfast and they might rise 3-5% in 2019.

For any information concerning the scope of the Conference, as well as *any special requests or problems* which might arise, please contact

Prof. István Zobory

*President of the Department Rolling Stock
at the Hungarian Scientific Society
of Mechanical Engineers*

Phone: (36-1) 463-3860, or (36-1) 369 8140

E-mail: zobory.drs.gte@gmail.com

The **Pre-Registration Form** can be requested from the above presidential e-mail address:

Please send by e-mail the filled in **Pre-Registration Form** to the *secretary of the Organising Committee*:

Prof. András Szabó

*Vice-President of the Department Rolling Stock
at the Hungarian Scientific Society
of Mechanical Engineers*

H-1521 Budapest

Phone/fax: (36-1) 463-1860

E-mail: aszabo@vrht.bme.hu

The **Preliminary Program** of the **Conference** together with further information will be sent in the **Second Circular**.

Conference Presidency

President : **Prof. István Zobory** (Hungary)

Honorary-President: **Prof. Otmar Krettek**
(Germany)

International Scientific Committee

Prof. Stefano Bruni (Italy)

Dr. Hugues Chollet (France)

Prof. Andrzej Chudzikiewicz (Poland)

Dr. Robert Fröhling (South Africa)

Dr. Andreas Haigermoser (Austria)

Prof. Robert F. Harder (USA)

Prof. Vladimir Kobishanov (Russia)

Prof. Fu Li (P.R.China)

Prof. Akira Matsumoto (Japan)

Prof. T.X. Mei (UK)

Prof. Sergiy Myamlin (Ukraine)

Dr. Oldrich Polach (Switzerland)

Prof. Christian Schindler (Germany)

Prof. Sebastian Stichel (Sweden)

Prof. Hans True (Denmark)

Prof. Nalinaksh S. Vyas (India)

Local Organising Committee

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Prof. József Csiba (Hungary)

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Section of Rolling Stock, SSME

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FIRST ANNOUNCEMENT AND CALL FOR PAPERS

www.gteportal.eu

9 – 12 SEPTEMBER, 2019

BUDAPEST, HUNGARY