The scientific committee expects your papers in the areas mentioned above. The papers will be published in the Proceedings of the Conference supposed categorization in to the WOS. Please, mark your interest in the enclosed participation form, which should be posted **not later than May 10, 2023** to our address. We will send you the detailed information about the Conference in the invitation form at the beginning of August.

We offer to companies the possibility of advertising on this Conference. If you are interested in advertising, please mark it in the Reply Card and we will send you more detailed information.

Conference fee

The supposed conference fee is 250,-€. It covers the registraton, printing of the Proceedings, dinners, refreshment and social party.

Instructions for the authors of papers:

- * The participation form has to contain authors' names, title of the paper and abstract of the paper.
- * The decision of the programme committee about the acceptance of your paper, together with detailed instructions will be sent to you by May 15, 2023.
- * The full text of papers in extent up to 8 pages format B5 (including pictures and graphs) should be sent to us **not later than June 15, 2023.**
- * We ask you to submit your paper **by e-mail** or on CD written in Word and pictures in suitable format (*.pcx, *.jpg, *.bmp, *.cdr, etc.).
- * The programme of the Conference and the invitation form with detailed information about the Conference, room and board etc. will be posted by the beginning of **August**, 2023.
- * Please, send the completed Reply Card to the following address not later than May 10, 2023:

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SCIENTIFIC AND TECHNICAL SOCIETY AT THE UNIVERSITY OF ŽILINA

26th International Conference

CURRENT PROBLEMS IN RAIL VEHICLES - PRORAIL 2023



under the auspices of

Minister of Transport of the Slovak Republic Ing. Pavol LANČARIČ, PhD. Rector of the University of Žilina Prof. Ing. Ján ČELKO, CSc.

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September 20 - 22, 2023, ŽILINA, SLOVAKIA

FIRST ANNOUNCEMENT and CALL FOR PAPERS

Organizers:

Scientific and Technical Society at the University of Žilina Faculty of Mechanical Engineering of the University of Žilina Jan Perner Transport Faculty of the University of Pardubice

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Assoc. Prof. Ing. Dalibor Barta, PhD., FME University of Žilina, SK Mobile: +421 (0)918 663 371, e-mail: dalibor.barta@fstroj.uniza.sk.

Conference languages:

Slovak, Czech, English

Objectives:

The aim of the Conference is to present new achievements in the research, development, design, operation and maintenance of the rail vehicles.

Further information can be found on the website

http://www.vtszu.sk

The main Conference topics are:

- * conception of new transport systems with regard to rail vehicles,
- * new legislation and standards (Directives of EC, TSI, EN, UIC Codes, etc.) regarding of the rail vehicle.
- * design of rail vehicles and its main systems (e.g. engines, transmission of power, control systems, braking, systems, auxiliaries, equipment of passenger compartments, etc.),
- computing methods in rail vehicles,
- hybrid, hydrogen and accumulator rail vehicles,
- * theoretical problems in development and design of rail vehicles,
- contact wheel/rail,
- * safety of rail vehicles,
- * experimental methods and testing of rail vehicles,
- * materials and technologies in construction of rail vehicles,
- * systems and rail vehicles for mass urban transport,
- * information systems of rail vehicles,
- operation of rail vehicles,
- * diagnostics, maintenance and servicing of track and rail vehicles,
- * environmental aspects of rail vehicles,
- * road/rail and train/tram vehicles,
- * special vehicles (rail cranes, trolley lines inspection vehicles, track maintenance machines, track recordings cars, bi-modal vehicles etc.).