



International Conference

Engineering & equipment of railways

2017

October 25, Kyiv

Host of a conference

www.promgruz.com
Information service

Venue: Ukrainian Chamber of Commerce and Industry, Velyka Zhytomyrska Str. 33



PRELIMINARY PROGRAMME*

Boosting the speed on railways – dreams and reality:

- *What prevents Ukrainian railways from increasing a speed? Structure of the track in curves. Should the curves be straightened? Experience of maintenance of track sections while launching Hyundai trains.*
- *Global experience and optimal model of main railway line (MRL) for Ukraine.*
- *Priority guidelines to introduce high-speed traffic – assessment of passenger traffic and ways of competing with other means of transport*
- *Rolling stock – types of traction and the need to change the locomotive.*
- *Estimate of costs of infrastructure updates*
- *Expected economic and social impact.*

Choosing directions of switching the Ukrainian Railways: East-West, 1520 or 1435? Ukraine's integration into the European transport network:

- *Railways development in the western region: will euro-track be running to Lviv?*
- *Opportunity to join the border high-speed network, Trans-European high-speed rail network*
- *Applicable methods of changing the width of the track*

Rail divorce: is it possible to separate freight and passenger flows?

- *Challenges to the use of a track for both freight and passenger transportation: limit speeds on the straight and curved sections, barrier to freight trains access to the track*
- *Routes and equipment of a railway line for freight and passenger transportation.*

Traffic safety and infrastructure upgrades – technological solutions for increased speed:

- *The alterations that should be done in automation and signaling devices to boost speeds*
- *Which track sections require immediate electrification?*
- *Is it expedient to implement continuous gauges? 100-meter rails, technology of assembly of a “velvet” track.*
- *Steel and alloys as materials that increase the service life of gauge elements.*



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SPECIAL TOPIC: Specialized track equipment update

- *motor-rail cars, locomotives, trolleys*
- *automotive diagnostic laboratories*
- *other construction and repair machine complexes*

Digital revolution on railways: the way the digitalization may affect the freight traffic

- *Real-time monitoring of cargo flows: electronic interaction of cargo owners with transport and logistics companies.*
- *Application of automation methods at sorting stations: “locomotive without a drive” and remote control of processes.*
- *Signaling and communication of a new generation, GPS monitoring systems, flowmeter.*
- *Proposals of integration companies, experience of introduction of up-to-date devices and automation systems.*

** - Work program still can be supplemented*

TEAM OF ORGANIZERS:

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Business program, conference paper, sponsorship, information support

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Business program, conference paper, participation

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