

PAPER • OPEN ACCESS

International Automobile Scientific Forum (IASF-2018), Intelligent Transport System, Technologies and Components

To cite this article: 2019 *IOP Conf. Ser.: Mater. Sci. Eng.* **534** 011001

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Preface to IASF-2018

IASF-2018 "Intelligent Transport System Technologies and Components" was held on October 18-19, 2018. It was dedicated to the centenary of the State Research Center of the Russian Federation FSUE "NAMI".

Among the guests and participants of the Forum were representatives of the Ministry of Industry and Trade of the Russian Federation, the Ministry of Transport of the Russian Federation, representatives of automotive plants. The forum was also attended by representatives of leading universities, the Academy of Sciences of the Republic of Belarus, foreign universities and Russian and foreign companies. The total number of participants exceeded five hundred.

The forum was attended by regular partners: OICA, AVL List GmbH, FISITA, SAE International, Association of Russian Automakers, Association of Traffic Engineers (ATE), Publishing House AAE Press, National Technology Platform of the Russian Federation Environmentally Friendly Vehicles Green Car.

A welcoming speech addressed to the participants and guests of the forum was made by Alexander Morozov, Deputy Minister of Industry and Trade of the Russian Federation, Sergey Gaisin, Chief Executive Officer of FSUE NAMI, David Schutt, Chief Executive Officer of SAE International, FISITA Vice President, Murli Iyer, Vice President - Americas FISITA; Executive Advisor – Global Affairs SAE International and Valentin Gapanovich, President of Non-Commercial Partnership "Union of Industries of Railway Equipment".

Within four panel discussions "Regulatory and Legal Framework of Autonomous Driving and Social and Economic Problems of Autonomous Vehicle Implementation", "Prospects of Development of New Types of Intelligent Land Transport and Technological Vehicles", "Intelligent Transport System Components" and "Modern Trends in Advanced Driver Assistance Systems (ADAS)" by representatives and heads of companies, scientific and educational institutions, such as OICA, GLONASS Union, FSUE "NAMI", Moscow Automobile and Road Construction State Technical University (MADI), Institute for Transport Economics and Transport Policy Studies HSE, BMSTU (Bauman Moscow State Technical University), Federal Scientific Agroengineering Center VIM, FEV Polska sp. z o.o., United Engineering Center of GAZ Group, Safety Engineering Research sp.j., KAMAZ PJSC, National Instruments Rus LLC, Robert Bosch LLC, AVL List GmbH, Ford Sollers Holding LLC, The Joint Institute of Mechanical Engineering of the NAS of Belarus, LLC Ener Z, JSC "Scientific Design Bureau of Computing Systems", Rohde & Schwarz RUS LLC, Israel Institute of Technology, Russian State Agrarian University - Moscow Timiryazev Agricultural Academy reports were presented and discussed.

During the breaks, guests were shown videos devoted to the 100th anniversary of FSUE "NAMI". In addition, all participants could visit the exposition, which this year was



represented by automobiles for top government officials of different periods and historical cars NAMI-1 and KIM-10. The centerpiece of the exhibition was certainly automobiles based on a united modular platform under the AURUS brand, represented by Senat, Senat Limousine and Arsenal models. National Instruments, Rohde and Schwarz RUS, Keysight Ansys, Bosch and AVL stands were also presented.

The second day was held at the FSUE “NAMI” Testing Centre and began with a demonstration of vehicles equipped with unmanned vehicle controls in different driving conditions: emergency braking, parking, bridging a railway crossing, driving along a route, etc.

The second part of the day contained a joint session of 2 sections: "Technologies and components of modern intelligent transport systems" and "Scientific and technical developments of young scientists, post-graduate students and students." Within the sections, there were made presentations by representatives of foreign and Russian companies, universities: AVL List GmbH, Italdesign Giugiaro SpA, CSI SpA, FSUE “NAMI”, ENERGO LLC, SINOPSYS LLC, Keysight Technologies Russia, Moscow Polytechnic University and BMSTU (Bauman Moscow State Technical University).

Poster presentations were made by BMSTU (Bauman Moscow State Technical University), Research Institute "MIVAR", FSUE "NAMI", Ryazan State Radio Engineering University (RSREU), Moscow Automobile and Road Construction State Technical University (MADI), Nizhny Novgorod State Technical University n.a. R.E. Alekseev and Moscow Polytechnic University.

Detailed information about the results of the International Automotive Scientific Forum (IASF-2018) "Intelligent Transport System Technologies and Components" are available on the forum website <http://iasf.nami.ru/>