

# Combine Method of Forecasting VANET Cybersecurity for Application of High Priority Way

Mikhail Buinevich\*, Konstantin Izrailov\*, Ekaterina Stolyarova\*, Andrei Vladyko\*

*\*The Bonch-Bruевич Saint-Petersburg State University of Telecommunications, Russian Federation, Saint Petersburg, 22-1 Prospect Bolshhevikov*

[bm1958@yandex.ru](mailto:bm1958@yandex.ru), [konstantin.izrailov@mail.ru](mailto:konstantin.izrailov@mail.ru), [katrinstolvar@gmail.com](mailto:katrinstolvar@gmail.com), [vladyko@bk.ru](mailto:vladyko@bk.ru)

**Abstract** – Article is devoted to cybersecurity of VANET (Vehicle Ad hoc NETWORKS), and its applications for the solution to the problem of ensuring priority way at intersections with traffic lights for public transportation (buses, trolleybuses, trams, light railway, share taxi, etc.) and special purpose transport (fire trucks, cars of emergency medical service, police, emergency and special services).

**Keyword** – cybersecurity, forecasting, high priority way, information & technical interaction, VANET



Mikhail Buinevich received the D.Sc degree in Engineering from the Naval Institute of Radio Electronics, St. Petersburg, Russia, in 2010. He has 20 years of experience in research and development in IT security. Now he is a Professor at The Bonch-Bruевич Saint-Petersburg State University of Telecommunications and supervises post graduates. Prof. Buinevich is the Editor-in-chief of “Proceedings of Telecommunication Universities” scientific journal.



Konstantin Izrailov defense his degree of PhD at The Bonch-Bruевич Saint-Petersburg State University of Telecommunications, Russia in 2017. Now he is an Associate Professor at that University. His major interests include: Information & Network Security; Software-Defined Networking; Internet of Things.



Ekaterina Stolyarova (IEEE member (S'18)) obtained her bachelor of science degree at Saint-Petersburg State University of Economics, in Russia in 2017. At present she is graduate student at The Bonch-Bruевич Saint-Petersburg State University of Telecommunications. Her research interests include: Information security, Data mining, threat risk modeling.



Andrei Vladyko (IEEE member (M'14)) acquired his degree of PhD at Komsomolsk-on-Amur State Technical University, Russia in 2001. At present he is a head of R&D department of The Bonch-Bruевич Saint-Petersburg State University of Telecommunications. His major interests include: Information & Network Security; Software-Defined Networking; Internet of Things; Wireless Sensor Network.