

List of key publications:

Energy conservation in electrical systems

- Biryukov V. V. Energy aspects of transport systems functioning: monograph / V. V. Biryukov. - Novosibirsk: NSTU Publishing House, 2014. – 264 p.
- Current state and prospects of city passenger transport development of the city of Barnaul : monograph / A.V. Molotov, N. I. Shchurov, I. A. Panarin, I. V. Retevyh, Ye. V. Romanova, M. Yu. Nikulin, R. V. Znamenshchikov, A. V. Dolzhikov, V. M. Yaroslavtsev. - Barnaul: AZBUKA, 2011. - 318 p
- Structural synthesis of multiphase valve converters: monograph / S. A. Evdokimov, N. I. Shchurov. - Novosibirsk, NSTU Publishing House, 2010. - 423 p.
- Neiman L. A. Rectifiers based on orthogonal stresses. Analysis of electromagnetic processes / L. A. Neiman, V. Yu. Neiman. - Saarbracken : LAP LAMBERT Academic Publishing, 2014. - 132 p
- Sopov V. I. Electrical load of the traction power supply: monograph / V. I. Sopov, N. I. Shchurov. - Novosibirsk: NSTU Publishing House, 2017. – 171 p.
- Electric power supply of oil and gas complexes and industries: textbook / V. I. Sopov, N. I. Shchurov; NSTU – Novosibirsk: NSTU Publishing house, 2011. – 268 [1] p.: with illustrations.: textbook / N. I. Shchurov, V. I. Sopov. - : NSTU, 2011. - 270 p.
- Sopov V. I. Power supply system of electric transport working on constant current: [textbook for universities teaching in study field 140400 – "Power and Electrical Engineering" module "Electrical Engineering"] / V. I. Sopov, N. I. Shchurov. - Novosibirsk: NSTU Publishing House, 2013. – 727 p.
- Myatezh S.V. Technique development of structural synthesis of single-phase rectifiers with a high level of the rectified voltage / S.V. Myatezh, N.I. Shchurov, V. V. Ivanov // Electrical Engineering: scientific and technical journal. - 2018. - No. 5. - P. 68-72.
- Biryukov V. V. Traction electric drive: textbook / V. V. Biryukov, E. G. Porsev; NSTU – Novosibirsk: NSTU Publishing House, 2013. – 314 p.
- Yaroslavtsev M. V. Energy efficient traction drive for urban road transport: [tutorial] / M.V. Yaroslavtsev, N. I. Shchurov, V. N. Anosov; NSTU – Novosibirsk: NSTU Publishing House, 2017. – 135 p.
- Adaptive systems of traction power supply / V. I. Sopov, N. I. Schurov, V. V. Ivanov, A. P. Kuznetsov // Russian Electrical Engineering. - 2014. - Vol. 85, iss. 12. - P. 729-733.
- Myatezh S. V. Sectoral control in a four-zone ladder-type rectifier for AC electric locomotives / S. V. Myatezh, N. I. Schurov, M. M. Dzhaborov // Russian Electrical Engineering. - 2014. - Vol. 85, iss. 12. - P. 734-739.