VLADIMIR KONSTANTINOVICH TYAN

SAMARA POLYTECH
Flagship University

Head of Department, Pipeline Transportation Department,
Doctor of Technical Sciences

Education

Kuibyshev Polytechnic Institute named after V.V. Kuibyshev

Work Experience

42 years

Teaching

- Theoretical Processes Foundations of the Hydrocarbons Pipeline Transportation
- Mathematical Modeling and Numerical Methods in the Problems of the Oil and Gas Industry
- Transport Diagnostics and Oil and Gas Storage

Research Interests

Modeling and optimization of hydrocarbon pipeline transportation processes.

A Number of Defended Dissertations under Your Guidance

2

A Number of Diploma Papers Defended under Your Guidance

50+

THE MOST IMPORTANT Scientific Papers

1. **SYSTEM ANALYSIS AND THE BEHAVIOR FORECAST OF METAL STRUCTURES WHEN REPAIRING THE STEEL RESERVOIRS MANUFACTURED BY THE ROLLING METHOD**

   Bulletin of the Samara Scientific Center of the Russian Academy of Sciences, 2012, volume 14, no 1-2, pp. 435-438.

2. **VERTICAL STEEL TANK (WITH ZEMLERUB L., SIMONENKO D.)**

   Patent RF 2455439, 08.11.2010.

3. **STATIONARY FUNCTIONING MODES MODELING OF A GAS COOLING UNIT**

   Bulletin of the Samara State Technical University. Edition: Technical Sciences, 2017, no 3(55).

4. **STRUCTURAL MODELING OF MAIN PIPELINE TRANSPORT FOR PROCESS CONTROL SYSTEM: THE CALCULATION TASKS OPTIMIZATION FOR PROGRAMMED LOGIC CONTROLLER**

   Bulletin of the Samara State Technical University. Series: Technical Sciences, 2015, no. 4 (48).

5. **SPATIAL STABILIZATION SYSTEM OF A FLOATING ROOF FROM SNOW LOADS IN HIGH CAPACITY TANKS**

   Proceedings of the International Scientific and Technical Conference on Oil and Gas of Western Siberia, 2015.

6. **GRAPHIC AND ANALYTICAL METHOD OF DECOMPOSING THE TEMPERATURE SOIL FIELD WITH THE MAIN PIPELINE TO NATURAL AND DEFORMATION COMPONENTS**

   Bulletin of the Samara State Technical University. Series: Technical Sciences, 2011, no 4 (32).

7. **MODELING THE THERMODYNAMIC PROCESS IN GAS-TURBINE ENGINES TO ANALYZE THE CHARACTERISTICS OF GAS-TURBINE DRIVES IN GAS-DISTRIBUTING UNITS**

   Bulletin of the Samara Scientific Center of the Russian Academy of Sciences, 2014, volume 16, no 1-2.

8. **COMPREHENSIVE STUDY OF SOLIDIFIED PARAFFIN OIL SHEAR PROCESS IN A PIPELINE**

   Bulletin of the Samara State Technical University. Series: Technical Sciences, 2013, no 4 (40).

9. **MODELING AND OPTIMIZATION OF AIR HANDLING SYSTEM FOR THE GAS PUMPING UNIT**

   Bulletin of the Samara State Technical University. Edition: Technical Sciences, 2018, no 3 (59).

10. **THE CONVERTIBLE AVIATION ENGINES USE AT OIL PUMPING STATIONS OF THE MAIN OIL PIPELINE**

    Bulletin of the Samara Scientific Center of the Russian Academy of Sciences, 2016, volume18, no 1-2.

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