



DNIPRO
UNIVERSITY
OF
TECHNOLOGY

CITEPTMTI'2020

**CONFERENCE
PROGRAM**

APRIL • 24-25 • 2020



EVENT PROGRAM

APRIL • 24-25 • 2020

International Scientific Conference:

**CONTEMPORARY INNOVATION TECHNIQUE OF THE ENGINEERING
PERSONNEL TRAINING FOR THE MINING AND TRANSPORT INDUSTRY
(CITEPTMTI'2020)**

Organizers:

- Dnipro University of Technology
 - Group of companies 'ASCON' (RU)
 - Aktobe Regional State University named after K. Zhubanov (Kazakhstan)
 - Vellore Institute of Technology (India)
 - Training Center 'Infotech' (Silver Autodesk Partner)
-



EVENT PROGRAM

APRIL • 24 • 2020
9:30-17:00

TOPIC 1 - MINING AND METALLURGICAL EQUIPMENT

Kalashnik Anatoly, Dyakov Andrey, Zaporojec Dmitry

GPR Equipment for Internal Structure Research and Monitoring of Mining Structures

Kalashnik Anatoly

Geomechanical Ensuring of Mining Development of Tectonic Stressed Ore Layers

Lukienko L.V.

Basis For Major Design Solutions of Haulage Mechanism Low-Web High-Speed Extraction Machine

Fedoskin V.A., Yehurnov O.I., Fedoskina E.V.

The Problems of Industrial Production Waste Processing

Fedoskina O.V., Matsyuk I.M., Batus V.V.

The Vibration Crusher Plates Shape Features

Fedoskina O.V., Matsyuk I.M., Batus V.V.

The Vibration Crushr Plates Shape Features



EVENT PROGRAM

APRIL • 24 • 2020
9:30-17:00

TOPIC 2 - MECHANICAL ENGINEERING AND ENGINEERING SCIENCE

Vynogradov Borys

Self-Installing Drive Pinions in Drum Mill Drives

Fedoriachenko S.O., Batus V., Fartushna A.

Setting Up of Thermal Treatment Modes of Shaft Mine Tanks Determination by Defined Kinematic and Power Movement Features

Ziborov K.A., Dytiuk V.E., Aharkov D.A.

Mechanical Properties of the Surface Layer of Friction Wheel-Rate Material Materials Taken Into Account of Thermal Physical Processes in the Contact Area

Ziborov K.A., Pismenkova T.O., Tsonda M.

Engineering of Crankshaft Suspension Support of Revolver Type

Karpukhin S., Pakhomova S., Unchikova M.

Research of the Structure And Properties of High -Strength Alloys in the Educational Process

Lytvyniak Yaroslav, Yurchyshyn Igor

Application of Assembly Gear Hobs With Carbide Inserts by the Diminished Pressure Angle for The Gear Hobbing of the Cylindrical Gears by the Large Modules



EVENT PROGRAM

APRIL • 24 • 2020
9:30-17:00

TOPIC 2 - MECHANICAL ENGINEERING AND ENGINEERING SCIENCE

Mischuk Dmytro, Balaka Maxim, Boychenko Andriy

Calculation of the Main Parameters and Operating Modes for Equipment With a Screw Working Body

Nikiforov Andrey

Contact Stiffness of Rotor/Stator Surfaces and Radial Stiffness of Bearing

Pakhomova S., Fakhurtdinov R.

Improving the Performance Properties of Gears for Mining Equipment

Protsiv Vladimir, Juravel Alex, Nedelsky Alexander

Improving the Quality of Mineral Raw Materials When Exploiting Complex Structural Deposits of Useful Mining in Underground Method

Savelieva T.S., Tsonda M.S., Shvyryd O.S.

Improvement of Bridge Crane Operating Characteristics on the Choice Opportunity of Optimal Wheel Profile

Fedoskin V.A., Erisov N.N., Kornilenko K.I.

Prospects for Application of Rubber Sites for Dry Separation of Fine-Grained Materials



EVENT PROGRAM

APRIL • 24 • 2020
9:30-17:00

TOPIC 2 - MECHANICAL ENGINEERING AND ENGINEERING SCIENCE

Franchuk V.P., Ziborov K.A., Tverdohleb O.M.

The Locomotive with Individual and Group Drive Traction

Kholodniak Yuri, Kaporovych Svitlana, Korotenko Yevgen

Force Calculation of Flat Trusses Using a Simplified Two-Dimensional Model of Forced Oscillations

Shatov S.V., Matsyk I.M., Shlyakhov E.M.

The Creation of Lightweight Designs of Closed Gears

TOPIC 3 - TRANSPORT TECHNOLOGIES AND EQUIPMENT

Chebryachko Serhiy, Deryugin Oleg, Dotsenko Viktoriya

Improvement of the Transport and Technological Scheme of Transport of Metal Products (On the Example of the Metallurgical Enterprise 'Mk Azovstal')

Bas Konstantin, Krivda Vitaly

Certification of Vehicle Transport



EVENT PROGRAM

APRIL • 24 • 2020
9:30-17:00

TOPIC 4 - RESOURCE AND ENERGY SAVING TECHNOLOGIES AND MATERIALS

Van E. Y., Gradov A. E., Ilyina E. A.

Research of the Influence of Colloidal Solution of Silver Nanoparticles on the Emf of the Jacobi-Daniel Electrical Element

Kalgankov Ye.V.

Rubber Lining and Its Place in the Disinstallation of Mineral Raw Materials

Oliynyk Tatiana, Skliar Lyudmila, Kushniruk Natalia

Rationale for the Introduction of Fine Coagulation in the Enrichment Technology of Magnetite Quartzites

TOPIC 5 - AUTOMATION AND MECHANIZATION ENERGY SUPPLY

Pustovetov Mikhail

Sine-Wave Filter for Increased Frequency of Voltage: Features of Characteristics and Usage



EVENT PROGRAM

APRIL · 25 · 2020
9:00-16:00

TOPIC 6 - INFORMATIONAL TECHNOLOGIES OF DESIGN, MODELING, DESIGN, MODERN WEB-TECHNOLOGIES

Verner Ilya, Tverdohleb Alexander, Dytiuk Viktoriia

Analysis of Renderer Systems in Autodesk 3D Max

Vorontsov A.A., Gvozdeva I.G.

Complex of Programs for Research of the Design of the Primary Transducer of the Two-Ordinate Magnetostriction Converter of Angular Movements

Vorontsov A.A., Nazarenko A.V.

Research of the OZ-Axis Projection of the Magnetic Field Strength of the Solenoid in the Designs of Magneto-Strict Converters of Angular Displacements

Vorontsov A.A., Nazarenko D.S.

Modeling of a Magnetic System of Structures of Two-Dimensional Magnetostriction Converters of Angular Movements

Vorontsov A.A.

To the Question of Use of Anglomers in the Systems of Security of Construction of Construction Works



EVENT PROGRAM

APRIL · 25 · 2020
9:00-16:00

TOPIC 6 - INFORMATIONAL TECHNOLOGIES OF DESIGN, MODELING, DESIGN, MODERN WEB-TECHNOLOGIES

Vorontsov A.A.

Research of Surface Effect in Magnetostriction Converters of Linear and Angular Movements

Vorontsov A.A., Shachnev V.N.

Research of Increasing Computer High Speeds in Networks Using Private Clouds

Kulyabko Vladimir

Use of Dynamic Characteristics at Formationing, Designing and Diagnostics Complex Constructions, Bases and Flows

Loginova Anastasiia

Artistic Modeling and Formation of Complex Objects

Martyshkin A.I., Ilyichov D.E.

Overview and Analysis of General-Purpose Operating System Families and Their Capabilities

Martyshkin A.I.

Module for Forced Process Dispatching for General-Purpose Operating Systems



EVENT PROGRAM

APRIL • 25 • 2020
9:00-16:00

TOPIC 6 - INFORMATIONAL TECHNOLOGIES OF DESIGN, MODELING, DESIGN, MODERN WEB-TECHNOLOGIES

Martyshkin A.I., Ilyichov D.E.

Description of the Concept and Structure of the System and Its Components

Martyshkin A.I., Ilyichov D.E.

Review and Analysis of Various Approaches to Model Classification

Martyshkin A.I., Trokoz D.A.

Overview of Automatic Programming Methods

Martyshkin A.I.

Analysis of the Most Promising Algorithms for Planning Real-Time Operating Systems

Pavlychenko Artem, Matsyuk Iryna

Peculiarities of Teaching Engineering and Computer Graphics to Students in Environmental Education Profile in Dnipro University of Technology

Slesarev Yu.N., Salamatin A.N.

Self-Consistent Dynamic Model of Magnetostriction Angular Movement Waveguide Magnetization



EVENT PROGRAM

APRIL · 25 · 2020
9:00-16:00

TOPIC 6 - INFORMATIONAL TECHNOLOGIES OF DESIGN, MODELING, DESIGN, MODERN WEB-TECHNOLOGIES

Slesarev Yu.N., Salamatin A.N.

Study of the Magnetic Field Tension of Continuous Constant Magnets of Magnetostriction Converters of Linear or Angular Movements

Slesarev Yu.N., Salamatin A.N.

Study of the Magnetic Field Strength of the Ring Permanent Magnets of Magnetostriction Converters of Linear or Angular Movements

Slesarev Yu.N., Salamatin A.N.

Modeling of a Magnetic System of Acoustic Treatment of a Magnetostriction Converter of Angular Movements

Slesarev Yu.N.

To the Question of Determining The Angle Tilt of the Plane of a Two-Order Magnetostriction Converter of Angular Movements Regarding the Horizontal Plane

Slesarev Yu.N.

Research of Magnetic Field Tension Near the Bases Of Permanent Magnets of Cylindrical Form in Magnetic Striction Converters of Angular Movements



EVENT PROGRAM

APRIL • 25 • 2020
9:00-16:00

TOPIC 6 - INFORMATIONAL TECHNOLOGIES OF DESIGN, MODELING, DESIGN, MODERN WEB-TECHNOLOGIES

Telipko Alexander, Verner Ilya, Patsera Sergiy

Simulation of Milling Cells in Shell Through the Cam Module Compas-3D V18

Kholodniak Yuri, Kostikov Alexander, Kaporovych Svitlana

Software Development for Simplified Methods of Calculating the Strength of I-Beams

TOPIC 7 - APPLIED GEOMETRY, ENGINEERING GRAPHICS, ERGONOMICS, LIFE SAFETY

Savelieva Tamara, Pustovoi Dmytro, Demyanik Tatyana

Solid-State Simulation Usage in the Autocad for the Visualization of Surfaces Intersection Line

Tokarev Vladimir

Intense Training of Students at the First Year According to Engineering Graphics

Tretyak Olena

Developing a Training Program for Ergonomic Analysis of Working Conditions



EVENT PROGRAM

APRIL · 25 · 2020
9:00-16:00

TOPIC 8 - INFORMATION TECHNOLOGY IN EDUCATION

Korniichuk Olena

Mathematical Modeling of Electromagnetic Oscillations

TOPIC 9 - HUMANITIES EDUCATION ISSUES

Ziborov K.A., Pismenkova T.O., Fedoriachenko S.O.

Competence Approach in the Training of Master's (Bachelor's) for Designing Problems Solving

Matsyuk Irina, Shlyakhov Eduard

Contents and Methods of Practical Training in the Technical Bionics Course

Olishevskaya V.E., Nedaivoda T.O.

Publication Competence of Students

Pismenkova T.O., Ziborov K.A., Verner I.V.

Communicative Design as a Tool of Soft Skills Formation

Podlesny Sergey, Kholodniak Yuri, Kaporovych Svitlana

Integrative Training of Future Engineers



CONTACTS

SCI-FORUM.NET.UA

INDEXING

ELIBRARY.RU

Full texts of articles are printed and shared in the scientific electronic library. The conference is annual. We are glad to expand partners and always open for cooperation.