

PROGRAM

Międzynarodowej Konferencji Naukowej

Transgraniczna wymiana doświadczeń w inżynierii produkcji z zastosowaniem metod matematycznych

7-9 czerwca 2017 r.

Organizatorzy:



Politechnika Śląska



Vysoká škola báňská - Technická univerzita Ostrava

7 czerwca (środa)

11.00 – 12.00 Rejestracja uczestników konferencji

12.00 – 13.00 Obiad

13.15 – 13.30 Uroczyste rozpoczęcie konferencji

13.30 – 15.30 Sesja I - prezentacje i panel dyskusyjny

Mariusz J. LIGARSKI	PRODUCTION ENGINEERING AS A DISCIPLINE AND THE POSSIBILITIES TO APPLY THE ORGANIZATION OF ITS ACHIEVEMENTS IN PRACTICE
Marta JAROŠOVÁ RADEK KUCERA Václav ŠÁTEK	PRECONDITIONING IN THE PATH-FOLLOWING ALGORITHM FOR THE STOKES FLOW WITH STICK - SLIP CONDITIONS
Piotr KALETA TOMASZ WAŁEK	METHODOLOGY OF RUNNING COST ANALYSIS FOR HIGH-EFFICIENCY GAS MICRO-COGENERATION APPLICATION IN OBJECTS OF VARIOUS DEMAND OF HEAT AND POWER
Jan CHALOUPKA Gabriela NECASOVÁ Petr VEIGEND Jirí KUNOVSKÝ Václav ŠÁTEK	MODERN TAYLOR SERIES METHOD IN NUMERICAL INTEGRATION: PART I
Stanisław KOWALIK	RESEARCH OF CORRELATION BETWEEN TEMPERATURE ROCK MASS AND ENERGY OF TREMO

15.30 – 16.00 Przerwa kawowa

16.00 – 18.15 Sesja II – prezentacje i panel dyskusyjny

František STANĚK Marcela JAROŠOVÁ Jana STAŇKOVÁ	DYNAMIC MODEL OF A KAOLIN DEPOSIT
Andrzej LOSKA	ANALYTICAL MODEL OF THE EXPLOITATION POLICY ASSESSMENT OF TECHNICAL NETWORK SYSTEMS - CASE STUDY
Marcela JAROŠOVÁ František STANĚK Jana STAŇKOVÁ	IMPLEMENTATION OF A KAOLIN DEPOSIT MODEL IN VISUAL STUDIO 2015

Waldemar PASZKOWSKI ASSESSMENT OF ANNOYANCE IMPACT OF ROAD NOISE SOURCES UNDER THE LABORATORY CONDITIONS

Michal ŘEPKA MATH INSIDE OF THE CONTROL SYSTEMS

Zygmunt KORBAN APPLICATION OF MERIT SURVEY IN THE ASSESSMENT PROCESS OF THE MANAGEMENT QUALITY OF THE OCCUPATIONAL HEALTH SAFETY – CASE STUDY

19.30 Uroczysta kolacja

8 czerwca (czwartek)

8.00 – 9.00 Śniadanie

9.15 – 11.15 Sesja III – prezentacje i panel dyskusyjny

Radek KUCERA SYMMETRIZED SEMI-SMOOTH NEWTON METHOD FOR SOLVING 3D CONTACT PROBLEMS
Jaroslav HASLINGER
Kristina MOTYCKOVÁ
Alexandros MARKOPOULOS

Radosław WOLNIAK APPLICATION METHODS FOR ANALYSIS CAR ACCIDENT IN INDUSTRY ON THE EXAMPLE OF POWER

Jaroslav VLCEK GREEN TENSOR IN MATERIAL SCIENCES
Petr OTIPKA

Joanna MYTYCH INVESTIGATION INTO ORGANIZATIONAL STRUCTURE INFLUENCE ON THE FUNCTIONING OF AN ACCREDITED TESTING LABORATORY
MARIUSZ J. LIGARSKI

Zdeněk BOHÁČ MATHEMATICS YESTERDAY AND TODAY ON VSB-TU OSTRAVA
Jarmila DOLEŽALOVÁ
Pavel KREML

Dorota KSIĄŻEK ASSESSMENT OF THE LEVEL OF MATURITY OF THE QUALITY MANAGEMENT SYSTEM – APPLIED MODELS AND SAMPLE TEST RESULTS
MARIUSZ J. LIGARSKI

Radka HAMRÍKOVÁ YOU TUBE IN TEACHING GEOMETRY
Dagmar DLOUHÁ

11.15 – 11.45 Przerwa kawowa

11.45 – 13.30 Sesja IV – prezentacje i panel dyskusyjny

Elżbieta MILEWSKA THE USE OF PERFORMANCE EVALUATION OF WORK PLACE IN THE IMPROVEMENT
KAROLINA KOSSOWSKA OF MANUFACTURING PROCESSES

Radka HAMRÍKOVÁ MATH SUPPORT CENTRE AT TECHNICAL UNIVERSITY OSTRAVA
Jan KOTULEK
Arnošt ŽÍDEK

Justyna ORWAT POSSIBILITY ANALYSIS OF THE USE OF SMOOTH SPLINE FUNCTIONS TO
DETERMINATION THE AVERAGE COURSE OF MINING AREA CURVATURES
OBTAINED FROM RESULTS OF GEODESIC MEASUREMENTS

Dagmar DLOUHÁ USING HYPERBOLA AND ONE-SHEETED HYPERBOLOID IN ENGINEERING PRACTICE
František CERVENKA

Ewa MATUSZEWSKA THE OVERVIEW OF APPLIED METHODS FOR OCCUPATIONAL RISK ASSESSMENT
-MAJCHER

Viktor DUBOVSKÝ A NOTE ON CIRCULANT MATRICES OF DEGREE 9

14.00 – 15.00 Obiad

16.00 – 18.00 Sesja posterowa – postery i panel dyskusyjny

Ján BRAJERCÍK ON HOMOGENEOUS FUNCTIONS IN SECOND-ORDER FIELD THEORY
Zbynek URBAN

Anna GEMBALSKA THE SUPPORT OF PROJECTS RISK MANAGEMENT IN PRODUCTION COMPANY
-KWIECIEN USING METHODS OF PRODUCTION ENGINEERING
Monika STĘPIEŃ

Patrycja HĄBEK THE CONCEPT OF USING FMEA METHOD FOR SUSTAINABLE MANUFACTURING

Jolanta IGNAC ANALYSIS OF FACTORS AFFECTING GAS HAZARDS IN INDUSTRIAL PLANTS
-NOWICKA

Ivan KOLOMAZNÍK THE DETERMINATION OF THE MINERAL PERCENTAGES IN GRANITE
Zdeněk KLIKA

Sabina KOŁODZIEJ STATISTICAL METHODS AS A DECISION MAKING TOOL FOR PRODUCTION
Witold BIAŁY ENGINEERING – AN EXEMPLARY APPLICATION

Ewa W. MARUSZEWSKA FINANCIAL CHALLENGES IN PRODUCTION ENGINEERING USING KEY
Witold BIAŁY PERFORMANCE INDICATORS – A CASE OF DIFFERENT PRODUCTION PROCESS
TYPES

Krzysztof MICHALSKI Jacek SITKO	ANALYSIS OF DEGRADED POST-INDUSTRIAL AREAS FOR REDEVELOPMENT. CASE STUDY
Katarzyna MIDOR	USE OF SIX SIGMA IN THE PRODUCTION PROCESS – CASE STUDY
Michał MOLENDĄ	APPLICATION OF QUALITY ENGINEERING TO IMPROVE THE ASSEMBLY PROCESS OF THE CAR COCKPIT ELEMENTS
Zuzana MORÁVKOVÁ Petr VOLNÝ	EXTREMA PROBLEMS SOLVED IN GEOGEBRA
Radomír PALÁČEK Jan KOTULEK	HISTORY OF THE CZECHOSLOVAK JOURNAL OF ACTUARIAL SCIENCES
Marcela RABASOVÁ Ondřej PAVLÍK	STATISTICAL EVALUATION OF THE EFFICIENCY OF THE TWO TYPES OF PROTECTION SYSTEMS IN CAROTID ARTERY STENTING
Jacek SITKO Krzysztof MICHALSKI	ANALYSIS OF THE SYSTEM PROCESSING WASTE PRODUCTS IN ENERGY AND METALLURGICAL INDUSTRY
Bożena SKOTNICKA -ZASADZIENÍ	SELECTED QUANTITATIVE METHODS USED IN PRODUCTION ENGINEERING FOR THE IMPROVEMENT OF PRODUCTION PROCESSES
Jakub STRYJA	DAMPED SOLUTIONS OF SINGULAR IVPS WITH ϕ -LAPLACIAN
Martin SWACZYNA Petr VOLNÝ	UNIFORM HORIZONTAL PROJECTILE MOTION
Bartosz SZCZĘŚNIAK	MATRIX CALCULUS AND SPREADSHEET IN PLANNING AND CONTROLLING OF OPERATING COSTS
Zbynek URBAN Jana VOLNÁ	VARIATIONAL EQUATIONS ON THE MÖBIUS STRIP
Michał ZASADZIENÍ	STATISTICAL PROCESS CONTROL IN THE MAINTENANCE

18.00 – 18.30 Przerwa kawowa

19.30 Kolacja grillowa

9 czerwca (piątek)

8.00 – 9.00 Śniadanie

9.30 – 10.00 Podsumowanie i zamknięcie konferencji