

P R O G R A M

MMPE'23

15-16 June, Zawady

Thursday, 15th June

9:00 – 10:20	<i>Registration (Reception of Resort) .Coffee & snacks</i>
10:25 – 10:30	<i>Opening / Welcome Katarzyna Freus</i>
Session A – Invited lectures	
<i>Chair: Małgorzata Klimek, Jerzy Winczek</i>	
10:30 – 11:00	THE GRADIENT AND THE DIVERGENCE FOR VECTOR VALUED FORMS <i>Antoni Pierzchalski</i>
11:00 – 11:30	THE MULTI-RING DEPOSIT STRUCTURE FROM THE EVAPORATION OF A COLLOIDAL SUSPENSION OF MAGNETIC NANOPARTICLES <i>Maciej Marć, Wiktor Wolak, Andrzej Drzewiński, Mirosław R. Dudek</i>
11:30 – 12:00	AN EQUIVALENCE OF SEMANTIC METHODS FOR SELECTED DOMAIN-SPECIFIC LANGUAGE <i>William Steingartner, Valerie Novitzká, Wolfgang Schreiner</i>
12:00 – 12:50	<i>Coffee break</i>
Session B – Poster Session	
<i>Chair: Antoni Pierzchalski, Bohdan Kopytko</i>	
13:00 – 14:00	INVARIANTS OF QUADRATIC FORMS OVER FIELD OF REAL NUMBERS <i>Emil Barciś</i>
	OPTIMIZATION OF THE SHAPE OF THE BELL RIB <i>Tomasz Błaszczuk, Dawid Cekus, Dominika Kustal, Maciej Nadolski, Anna Nowak</i>
	SUDDENLY LOADED MULTICOMPONENT SYSTEMS HAVING PREVIOUSLY ELIMINATED ELEMENTS <i>Tomasz Derda</i>
	STRENGTH OF ARRAYS WITH RANDOMLY DISPLACED PILLARS <i>Zbigniew Domański</i>

13:00 – 14:00	ON THE BLACKJACK-TYPE PROBLEMS WITH RANDOM LIMIT <i>Andrzej Grzybowski</i>
	INFLUENCE OF GEOMETRY ON THE OCCURRENCE OF LOCAL RESONANT REGIONS IN INTERLAYER SPACES OF DYNAMIC PHONONIC STRUCTURES <i>Sebastian Garus</i>
	THE JIGSAW METHOD AS ONE OF THE COOPERATIVE LEARNING STRATEGIES IN MATHEMATICAL ACADEMIC EDUCATION <i>Edyta Pawlak-Kazior</i>
	ROLA MATEMATYKI W INFORMATYCE <i>Jowita Rychlewska</i>
	ANALYSIS OF THE SOLUTION SPACE AND OPTIMIZATION OF MULTILAYER STRUCTURES WITH THE USE OF A GENETIC ALGORITHM <i>Sebastian Garus, Mariusz Kubanek</i>
	THE EFFECT OF POINT HEAT TREATMENT IN TIG TECHNOLOGY ON THE SURFACE STATE OF STEEL SHAFTS <i>Adam Kulawik, Joanna Wróbel, Michał Sobiepański</i>
	THE FLOW OF A MEDIUM AROUND A METAATOM WITH DIFFERENT KOCH SNOWFLAKE ITERATIONS <i>Paweł Kwiaton, Sebastian Garus</i>
	ZASADY KSZTAŁCENIA <i>Sylwia Lara-Dziembek</i>
	OCZEKIWANIA STUDENTÓW WOBEC NAUCZYCIELI AKADEMICKICH <i>Joanna Klekot</i>
	THE ANALYTICAL SOLUTION OF THE FRACTIONAL DUAL-PHASE-LAG HEAT CONDUCTION IN A MULTI-LAYERED SPHERICAL MEDIUM <i>Urszula Siedlecka</i>
	AN APPROXIMATE SOLUTION OF FRACTIONAL EULER-BERNOULLI BEAM EQUATION WITH FIXED-FREE ENDS <i>Jarosław Siedlecki, Tomasz Blaszczyk</i>
	CONTROL OF THE CENTER OF GRAVITY OF A TERRAIN ROVER WITH ACTIVE ROCKER - BOGIE SUSPENSION <i>Krzysztof Sokół, Paweł Kwiaton, Maciej Pierzgalski</i>
	14:00 – 15:00
Session C Chair: Andrzej Drzewiński, William Steingartner	
15:10 – 15:30	THE FORM OF LOCALLY DEFINED OPERATORS IN WATERMAN SPACES <i>Małgorzata Wróbel</i>
15:30 – 15:50	MODELING OF GLOBAL INSTABILITY IN LOW-DENSITY COUNTER-CURRENT JETS <i>Andrzej Bogusławski, Karol Wawrzak, Agnieszka Wawrzak, Artur Tyliszczak</i>

15:50 – 16:10	ANALYSIS OF THERMAL STATES IN THE BUTT-WELDED JOINT OF STEEL SHEETS <i>Jerzy Winczek</i>
16:10 – 16:30	ON ONE-DIMENSIONAL DIFFUSION PROCESSES WITH DISCONTINUOUS LOCAL MOTION CHARACTERISTICS AND A STICKY TRANSLUCENT MOVING MEMBRANE <i>Bohdan Kopytko, Roman Shevchuk</i>
16:30 – 17:00	<i>Coffee break</i>
18:30	<i>Barbecue</i>

Friday, 16th June

9:00 – 9:55	<i>Breakfast</i>
Session D <i>Chair: Andrzej Bogusławski, Mariusz Kubanek</i>	
10:00 – 10:20	A NOTE ON THE RELATIONSHIP BETWEEN VARIOUS INCONSISTENCY INDICES USED IN AHP <i>Tomasz Starczewski</i>
10:20 – 10:40	NUMERICAL APPROXIMATION OF THE RIESZ-CAPUTO DERIVATIVE WITH FIXED MEMORY LENGTH OF FUNCTION OF TWO VARIABLES <i>Dominika Kustal, Tomasz Błaszczuk</i>
10:40 – 11:00	AN APPROXIMATION SCHEME FOR FRACTIONAL OPERATORS BASED ON ARTIFICIAL NEURAL NETWORKS <i>Anna Nowak, Tomasz Błaszczuk</i>
11:00 – 11:20	LES OF EXCITED FLAME STABILIZED BY A BLUFF BODY <i>Lena Caban, Agnieszka Wawrzak, Artur Tyliczszak</i>
11:20 – 12:00	<i>Check out. Coffee break</i>
Session E – Popular Science Lecture <i>Chair: Andrzej Grzybowski, Zbigniew Domański</i>	
12:15 – 13:15	Fizyk w galerii obrazów <i>Andrzej Drzewiński</i>
13:15– 13:30	Conference closing <i>Andrzej Grzybowski, Tomasz Błaszczuk</i>
13:30	<i>Dinner</i>