CONTENTS

Author(s)	Paper Title	Pp.
Jinfeng Zheng, Yuan Zhang, Yanbo Hui, Bo Chen, Haiyang Ding, Qiao Wang, Xianglong You, Xiaoxuan He, Yifei Zhang	FAULT DETECTION AND DIAGNOSIS OF HIGH- VOLTAGE LOAD SYSTEM FOR ELECTRIC HEAVY TRUCK (EHT) BASED ON RESPONSE SIGNAL ANALYSIS	7-20
Adriano A. Santos, Ricardo Moura, António F. Silva, Filipe Pereira, Paulo J. Silva and Carlos Felgueiras	DEVELOPMENT AND INTEGRATION OF A VESSEL MOORING DETECTION SYSTEM TO REMOTE OPERATION OF NAVIGATION LOCKS	21-30
Vlad Țoțu, Cătălin Alexandru	MULTI-CRITERIA KINEMATIC OPTIMIZATION OF A DOUBLE WISHBONE SUSPENSION MECHANISM	31-39
Pengkang Xing, Zhongyu liu	RESOURCE OPTIMIZATION OF INTERNET OF VEHICLES EDGE COMPUTING BASED ON REPUTATION VALUE ALLOCATION	40-52
Wenlei Zhao, Yuehong Zhao, Junjie Wang, Li Ji, Dongyun Wang, Weiping Zhang	A STUDY ON STRUCTURAL OPTIMIZATION AND EXPERIMENTAL VALIDATION OF AUTOMOTIVE DOOR TRIM ASSEMBLY FOR SIDE IMPACT	53-59
Andriy Karahiaur, Oleksandr Haiduchok, Oleksandr Syrovatskyy, Andriy Titov, Oleksii Shestopalov, Andrii Shkop, Alona Bosiuk and Ligia-Luminiţa Petrescu	REUSED FABRICS IN THREE-LAYER FILTERS: PERFORMANCE AND MODELING	60-66
Zahraa Abd Al-Elah Kahaleel, Fawaz F. Al- Bakri, Muslim Ali	CONTROL OF A HUMAN ARM EXOSKELETON USING AN ANALYTICAL APPROACH UNDER DIFFERENT INITIAL CONDITIONS AND SYSTEM PARAMETERS	67-78
Zhongliang Meng, Yi Ding, Zijian Li	SIMULATION AND EXPERIMENTAL STUDY OF A DOUBLE-IMPACT HORIZONTAL ROTOR WAVE ENERGY GENERATOR	79-87

IJOMAM-CONTENTS

Author(s)	Paper Title	Pp.
Roxana-Mariana Nechita, Mariana Nicolae, Edgar Moraru, Cozmin Cristoiu	PURE-MECHANICAL ANTI-VIBRATION SYSTEMS FOR HAND TREMOR IN PARKINSON'S DISEASE: REVIEW AND BIBLIOMETRIC ANALYSIS	88-103
Xin Huang, Jiankang Chen, Zhongliang Wang, Feng Wang	STUDY ON EROSION FAILURE MECHANISM OF HIGH-PRESSURE FRACTURING PUMP KEY STRUCTURES	104-111
Huthaifa Al-Khazraji, Aws M. Abdullah, Hussien Dulaimi	SIMULATION AND EVALUATION OF SLIDING MODE CONTROLLER FOR ELBOW EXOSKELETON SYSTEMS	112-119
Leszek Pyziak, Tomasz Więcek, Sławomir Wolski, Piotr Biega, Michał Wanic	CORRELATION OF YOUNG'S MODULUS WITH BONE MINERAL DENSITY IN ANIMAL BONES VIA QCT	120-126
Song Li, Chujie Jiang and Rui Tian	STATIC-DYNAMIC CO-SIMULATION BASED PERFORMANCE ANALYSIS AND OPTIMIZATION OF A CONSTRUCTION HOIST ATTACHMENT FRAME	127-136
Mena Y. Mikhail, Ehab Ali, Radwan M. El- Zoheiry, Mohamed M. Mousa	NUMERICAL SIMULATION OF THE ELECTROLYTE CONCENTRATION AND FLOW RATE IMPACT ON THE HYDROGEN EVOLUTION IN AN ALKALINE WATER ELECTROLYSIS SYSTEM	137-145
Dongdong Cao, Kaihua Jin, Ziwei Fan	RESEARCH ON THE DIAGNOSIS OF DEFECT FAULTS IN DISTRIBUTION CABLES THROUGH TIME-FREQUENCY ANALYSIS AND IMPEDANCE CHARACTERISTICS	146-153
Volodymyr Krasnokutskyi, Mikhail Podryhalo, Serhii Selevych, Vadym Kaviuk, Oleksandr Krasnokutskyi, Boris Kalchenko	DEVELOPMENT OF THE METHOD FOR CALCULATING THE LIFTING CAPACITY OF UNITS MOUNTED ON A SELF-PROPELLED TRACTOR-TYPE CHASSIS	154-164
Dmytro Leontiev,	METHODOLOGY FOR IDENTIFYING AND ELIMINATING BRAKE SQUEAL IN WHEELED VEHICLES	165-173
Yanling Bai	INFORMATION SECURITY ENCRYPTION TECHNOLOGY FOR SPECIAL INTERNET OF VEHICLES-JOINT AES AND RSA ALGORITHMS	174-184

IJOMAM-CONTENTS

Author(s)	Paper Title	Pp.
Zainab K. Abbas, Zaid Ali Alsarray	DEVELOPING AN END-TO-END GENERATIVE CHATBOT USING T5 AND FLASK: FROM DATA GENERATION TO DEPLOYMENT	185-192
Denis Lavinsky, Kostyantyn Barbin	COMPUTATIONAL MODELING OF ELECTROMAGNETIC FIELD PROPAGATION AND DEFORMATION PROCESS OF ELECTROMAGNETIC FORMING TECHNOLOGICAL SYSTEMS	193-200
Yevhen Kalinin, Ivan Koliesnik, Stanislav Khalin, Serhii Shushliapin, Dmytrii Pavlov	APPLICATION OF HYDRIDE SYSTEMS FOR SUPPLYING INTERNAL COMBUSTION ENGINES WITH HYDROGEN	201-208
Denys Tkachenko, Vadym Garin, Vitalii Myntiuk, Olga Shypul, Oleksiy Pavlenko	EFFECTS OF SOIL PROPERTIES AND CRATERING FROM MINE DETONATION ON SHOCK WAVE PROPAGATION AND THE DYNAMIC RESPONSE OF REMOTE DEMINING VEHICLE STRUCTURES	209-219
Di Wu, Hongjie Zhang	BIM-DEMATEL-BASED CAUSAL NETWORK MODEL FOR ACCURACY CONTROL IN MEP QUANTITY TAKEOFF	220-232
Volodimyr Kalchenko, Andrij Yeroshenko, Serhii Boiko, Pavel Ignatenko	MODELING OF WORKING PROCESSES OF THE CUTTING WITH A SINGLE GRAIN AT ABRASIVE GRINDING	233-240
Yu Huang, Shan Xue, Xiang Yao, Hongyan Chen	A PSO-ABC ALGORITHM OF PID PARAMETER TUNING FOR LEVITATION CONTROL OF DIVING ROBOTS	241-254
Housheng Liu, Zelin Wu, Jianlin Tao	INDUSTRIAL-GRADE DETECTION OF BEARING ROLLER DEFECTS USING AN ATTENTION-ENHANCED KNOWLEDGE-DISTILLED EFFICIENTNET MODEL	253-266
Bai Ru, Ying Li	LIGHTWEIGHT DESIGN AND DYNAMIC PERFORMANCE ANALYSIS OF LOADER WORKING DEVICE BASED ON IMPROVED CANNY EDGE DETECTION ALGORITHM	267-280
Ying Li, Ru Bai	CONFIGURATION EVOLUTION AND ADAPTIVE CONTROL OF ROTARY DRILLING RIG UNDER COMPLEX STRATUM	281-294