

## Table of Contents

<a href="#">001_ISMSEE2022</a>	<b>Study on weight and centre of gravity limit of jacking operation under different wind speed of civil jet aircraft</b> <i>Tingsang Luo, Ya Zhang</i>
<a href="#">002_ISMSEE2022</a>	<b>Analysis of the effect of civil aircraft tank deformation on fuel consumption curves</b> <i>Shuangmiao Zhai</i>
<a href="#">003_ISMSEE2022</a>	<b>Research on the Thermo-Kinetics Mechanism of CH<sub>4</sub>/DME High Pressure Premixed Combustion in Air/CO<sub>2</sub> Atmosphere</b> <i>Jifan Zhang</i>
<a href="#">004_ISMSEE2022</a>	<b>Virtual inertial control considering SOC equalization</b> <i>Xinyu Liu</i>
<a href="#">005_ISMSEE2022</a>	<b>Research on vibrations induced by work roll bearings on temper mill</b> <i>Jimin Wu, Guanghong Zhu, Lingming Pei</i>
<a href="#">006_ISMSEE2022</a>	<b>Rigid-flexible coupling and acoustic-vibration coupling analysis of high-speed double helical planetary gear system</b> <i>Liyang Fu, Tengjiao Lin</i>
<a href="#">007_ISMSEE2022</a>	<b>Fatigue Evaluation Direct Method of Gearbox Housing Base on Hilbert-Huang Transformation</b> <i>Xingyu Wang, Lichao Zhan, Xiaochao Dai</i>
<a href="#">008_ISMSEE2022</a>	<b>Simulation Design of Welding Robot Workstation Based on RobotStudio</b> <i>Wei Gui</i>
<a href="#">009_ISMSEE2022</a>	<b>Influence of Speed Index on Small Damping Ratio Vibration Isolation System</b> <i>Longlong Ren, Chuanlong Zhai, Yang Li</i>
<a href="#">010_ISMSEE2022</a>	<b>Reliability analysis of cruise diesel engine system</b> <i>Peng Ge, Qizhen Ge, Jincheng Li, Shujie Liu</i>
<a href="#">011_ISMSEE2022</a>	<b>Dynamic characteristics of double helical star gear system considering wind resistance excitation</b> <i>Zhong Yang, Tao Chen, Yanqiu Wang, Tengjiao Lin</i>
<a href="#">012_ISMSEE2022</a>	<b>Research on stability of rotor-bearing system based on DOE method</b> <i>Xuan Yang</i>
<a href="#">013_ISMSEE2022</a>	<b>Application of Sensor Network Technology in Internet of Things Architecture of Intelligent Machinery Manufacturing</b> <i>Pengcheng Luo</i>
<a href="#">014_ISMSEE2022</a>	<b>Research on Omni-directional Adaptive Stable Platform Technology</b> <i>Yang Jiang, Xinjiang Yuan, Yingsu Tao</i>
<a href="#">015_ISMSEE2022</a>	<b>Research on on-line monitoring technology of characteristic gas in vacuum on-load tap-changer oil</b> <i>Lei Jin, Kai Zhou, Wei Luo</i>
<a href="#">016_ISMSEE2022</a>	<b>Experimental Comparison Study of Airborne HFC-125 and Halon 1301 Fire Extinguishing System</b> <i>Yang Xuan, Chen Gao, Shushan Cheng, Renming Pan, Jiaming Jin</i>

<a href="#">017_ISMSEE2022</a>	<b>Research on Airworthiness Technical Requirements and Compliance Verification Method of Induction System Icing Protection of Transport Aircraft</b> <i>Guiping Lin, Jiaxuan Dong, Bo Yang</i>
<a href="#">018_ISMSEE2022</a>	<b>Fatigue Life Analysis of Oil Buffer Used in Circuit Breaker Operating Mechanism in Action Process</b> <i>Yanjun Peng, Jialin Wang, Lu Wang, Jian Qin, Xiong Zhou, Hailiang Dong</i>
<a href="#">019_ISMSEE2022</a>	<b>Study on the adaptability of PM and NOx cleaning technology for construction machinery</b> <i>Zhenkai Xie, Lili Ni, Jian Ling, Jiguang Wang</i>
<a href="#">020_ISMSEE2022</a>	<b>Research on IMA Common Mode Analysis for Powerplant System in aircraft</b> <i>Junfeng Wu</i>
<a href="#">021_ISMSEE2022</a>	<b>Research on the Influencing Factors of Fuel System Pipe Icing of Transport Aircraft</b> <i>Guiping Lin, Degang Liu, Yexin Wang</i>
<a href="#">022_ISMSEE2022</a>	<b>Study on vibration of underground powerhouse of a large-scale hydropower station</b> <i>Hongzhen Wang, Shuang Li, Dechang Guo, Haijun Wang</i>
<a href="#">023_ISMSEE2022</a>	<b>Brief Introduction on Technology and Process of Intermediate-Water Reuse</b> <i>Shilei Fan, Zihui Zhou, Ziming Fan</i>
<a href="#">024_ISMSEE2022</a>	<b>Research on The Comparison of Nuclear Weapon Test Methods</b> <i>ManU (Joshua) Li</i>
<a href="#">025_ISMSEE2022</a>	<b>The flexibility of thermal power unit under the background of the new power system</b> <i>Xiaoyan Hu, Guowei Hu, Yin Wu, Xiaotong He, Hangping Pan</i>
<a href="#">026_ISMSEE2022</a>	<b>Study on practicability of escalator / moving walk safety assessment method</b> <i>Yuechao Song, Xingjun Wu, Wenbo Liu, Min Xu, Yingjie Liu</i>
<a href="#">027_ISMSEE2022</a>	<b>Experimental research on follow-up control of lower limb exoskeleton robot</b> <i>Xiong Zhou, Zhipeng Yu, Danhui Chen, Xiaodong Ye</i>
<a href="#">028_ISMSEE2022</a>	<b>Research on PID control of potato stable seed supply based on repetitive control compensation and CMAC</b> <i>Xingyu Xia, Zhengyong Zhang</i>
<a href="#">029_ISMSEE2022</a>	<b>Welding process test and application of white copper tubes and steel tubesheet</b> <i>Chengjun Jiang, Xiaohui Zou, Gang Cheng, Weifeng Qi, Wei Wang</i>
<a href="#">030_ISMSEE2022</a>	<b>Innovative design of light-weight extruded wallboard extraction and ferrule device</b> <i>Jiwen Chen, Yiyun Zhang, Ziyu Lu, Taixue Bei, Hepeng Ni, Yingxin Ye, Shuai Ji</i>
<a href="#">031_ISMSEE2022</a>	<b>Innovative design of automatic cutting system for lightweight wall panels</b> <i>Jiwen Chen, Wenchao Li, Jie Zhao, Hongjuan Yang, Qinyuan Xu, Yiyun Zhang</i>
<a href="#">032_ISMSEE2022</a>	<b>Innovative design of automatic mold cleaning system for PC component production line</b> <i>Jiwen Chen, Qinyuan Xu, Jie Cheng, Xiaoming Gao, Yiyun Zhang, Wenchao Li</i>
<a href="#">033_ISMSEE2022</a>	<b>Design of a new type of fast oil spill recovery deformation ship based on smart suction port</b> <i>Xiaohong Liu</i>
<a href="#">034_ISMSEE2022</a>	<b>A torque detection device for Electric Actuator based on OrangePi</b> <i>Qiang Xue, Xiaobing Hao, Jiewei Zhuo, Shifeng Yang</i>

<a href="#">035_ISMSEE2022</a>	<b>An Introduction of Pedal Cleaning Device for Automatic Sidewalk</b> <i>Shuangchang Feng, Yanchun Liang, Jie Chen, Kuangye Niu</i>
<a href="#">036_ISMSEE2022</a>	<b>Multifunctional Crutches for the Elderly</b> <i>Dongfan Shi, Lizhen Zhang</i>
<a href="#">037_ISMSEE2022</a>	<b>An Introduction of Replaceable Elevator Guide Shoe Structure</b> <i>Shuangchang Feng, Jie Chen, Yanchun Liang, Wenhao Shen</i>
<a href="#">038_ISMSEE2022</a>	<b>An Improved Optimization Method Based on Multi-row Facility Layout Problem</b> <i>Xianyu Tang, Weining Zhu, Cunrong Li</i>
<a href="#">039_ISMSEE2022</a>	<b>Research on the Positioning Design of Fixtures in Machining</b> <i>Xu Zheng</i>
<a href="#">040_ISMSEE2022</a>	<b>Realization of BCI System based on SSVEP for Disabled Elederly</b> <i>Yue Cui, Limei Song</i>
<a href="#">041_ISMSEE2022</a>	<b>Research on test frame for elevator door</b> <i>Shuangchang Feng, Jie Chen, Wenhao Shen, Kun Fang</i>
<a href="#">042_ISMSEE2022</a>	<b>Study on Deformation of Steel Cylinder Machine Structure in Wave Loads</b> <i>Huibin Chen, Qing Wang, Tianxiang Li, Shaowen Hou, Degui Chen, Xiaolong Zhao</i>
<a href="#">043_ISMSEE2022</a>	<b>Development of special series tools for power transmission overhaul</b> <i>Long Li, Jicheng Sun, Zhengqiang Shan, Hongbo Sun, Pengfei Ren, Song Liu, Tao Song</i>
<a href="#">044_ISMSEE2022</a>	<b>Design of Hole Depth and Wireline Drill Pipe Fault Detector</b> <i>Qian Xu</i>
<a href="#">045_ISMSEE2022</a>	<b>Research on the Evaluation Method of Marine Diesel Engine Propulsion Shafting Condition</b> <i>Bowen Lv</i>
<a href="#">046_ISMSEE2022</a>	<b>Research on Crashworthiness Design and Qualification Technology of Civil Aircraft Fuselage Fuel Feed Line</b> <i>Degang Liu, Haibin Xiao, Yang Wang, Dexuan Zhu</i>
<a href="#">047_ISMSEE2022</a>	<b>Research on Waste Heat Recovery of Marine Diesel Engine</b> <i>Zizhao Zhou</i>
<a href="#">048_ISMSEE2022</a>	<b>A new optimal design method of glass fiber leaf spring</b> <i>Weifeng Yu, Fang Rao, Chengdi Xiao, Xiaoqiang Cheng, Chunhui Gong, Mingqing Zhao</i>
<a href="#">049_ISMSEE2022</a>	<b>Analysis of Technical Standards of Indian Mining Explosion-Proof Diesel Engine Vehicles</b> <i>Tao Du, Xiaodong Li</i>
<a href="#">050_ISMSEE2022</a>	<b>Research on interactive trading mechanism of adjustable load aggregators</b> <i>Jiangping Liu, Bolun Xu, Hongjiao Hu</i>
<a href="#">051_ISMSEE2022</a>	<b>Design of industrial inspection system based on GPU</b> <i>Chungchun Chien, Dihu Chen, Zixin Wang, Zhigang Cai, Jiarong Chen</i>
<a href="#">052_ISMSEE2022</a>	<b>Construction of waste heat recovery system for precision forging</b> <i>Lei Fan, Xiaolin Zhang, Tianyi guan, Hui Chen</i>
<a href="#">053_ISMSEE2022</a>	<b>Development and Application of a High Temperature Wired Measurement While Drilling System</b> <i>Xiaomin Liu, Weiguang Sun, Weiqiang Song, Qian li, Chuanzeng Zhu</i>

054_ISMSEE2022	<b>Study on the smoke particles distribution characteristics of a certain tear gas bomb</b> <i>Xiaoping Cui</i>
055_ISMSEE2022	<b>Mechanical Structure Design and Mechanical Analysis of Variable Diameter Expansion Cone Block</b> <i>Yanli Liu, Gaofeng Zhang, Daqi Fu, Yanzheng Yang, Zhaoyong Yuan, Feixiang Qin, Bing Zhang, Xialin Song</i>
056_ISMSEE2022	<b>A Processing equipment for organic water of Slaughterhouse Based on hydraulic cavitation effect</b> <i>Zhe Wang, Yujie Deng, Zhijiang Xie</i>
057_ISMSEE2022	<b>Analysis for a crack of the manhole in a reactor of Ethidene Diamine unit</b> <i>Chengjun Jiang, Xin Wang, Weifeng Qi, Wei Wang, Gaoping Fan</i>
058_ISMSEE2022	<b>Research on Trajectory Planning of Robot Armfor Hair Washing Based on Deep Learning Algorithm</b> <i>Haijun Cui, Shuguang Sun, Fuli Jia</i>
059_ISMSEE2022	<b>Research on verification strategy of civil aircraft airborne electronic hardware</b> <i>Yang Zhang, Hui Hua</i>
060_ISMSEE2022	<b>Research on the Development of Vanadium and Titanium Auto Parts Industry in Panzhihua City</b> <i>Bin Zheng, Chenggang Pan</i>
061_ISMSEE2022	<b>Simulation of water hammer characteristics of liquid rocket engine</b> <i>Libao Dong, Wansheng Nie, Bo He</i>
062_ISMSEE2022	<b>Research on Image Restoration of Ancient Buildings Based on Deep Convolution Network</b> <i>Xiaoping Zhou, Yanmin Liu, Xiaobo Lian, Huiting Guo, Sangyoung Lee</i>
063_ISMSEE2022	<b>Analytical Calculation and Analysis of Nature Frequency of Cylindrical Linear Motor Stator</b> <i>Yufan Zou, Zhenxing Wu, Jin Xu, Yichao Zhang</i>
064_ISMSEE2022	<b>Prediction of EV Charging Load Combination Based on Grey Correlation Analysis</b> <i>Wen Hu, Huicai Wang, Shouqin Wang, Lei Chi, Chen Tan, Yajing Zhang</i>
065_ISMSEE2022	<b>Resource Allocation via User Cooperation for Uplink NOMA-MEC Systems</b> <i>Jianbin Xue, Rongcai Sha, Shang Wu, Haijun Zhang</i>
066_ISMSEE2022	<b>Research on time synchronization sliding mode control algorithm of light weapon target</b> <i>Ziyao Huang, Bin Zheng, Yunhua Yin, Zefei Li, Cunliang Wang</i>
067_ISMSEE2022	<b>Defect Identification of PCB Board Based on Machine Vision</b> <i>Li Cai, Jingchuan Li, Yong Yuan</i>
068_ISMSEE2022	<b>Simulation Analysis of ESC Hydraulic Actuator Unit</b> <i>Guorui Liu, Xuanli Zhang, Jun Ling</i>
069_ISMSEE2022	<b>Simulation of the leakage magnetic field of ultra-high-voltage autotransformers based on finite element method</b> <i>Zhiguo Tang, Jujian Pan</i>
070_ISMSEE2022	<b>Milling Cutter Wear Prediction Based on Bidirectional Long Short-Term Memory Neural Networks</b> <i>Chengpeng Zhou, Weijun Wang, Zhicheng Hou, Wei Feng</i>

<a href="#">071_ISMSEE2022</a>	<b>Research on Used Car Valuation Based on Gradient Descent Multiple Regression Model</b> <i>Jian Chen, Jingting Zhang, Sheng Li</i>
<a href="#">072_ISMSEE2022</a>	<b>Simulation of Axial Fan in Subway based on CFD</b> <i>Fengdong Yuan</i>
<a href="#">073_ISMSEE2022</a>	<b>Visual Modeling and Analysis of Jamming Effect of Electronic Countermeasures Equipment Based on STK</b> <i>Xuan Leng, Bing Xiao, Yinan Zhang</i>
<a href="#">074_ISMSEE2022</a>	<b>Research on space path planning algorithm of robot based on improved RRT</b> <i>Biao Ma, Changkun Wang, Hongfei Gong</i>
<a href="#">075_ISMSEE2022</a>	<b>Numerical simulation of the airfoil</b> <i>Peirong Jiang</i>
<a href="#">076_ISMSEE2022</a>	<b>Simulation and characteristic analysis of pressure closed-loop control of servo direct drive pump-controlled hydraulic system based on AMESim</b> <i>Hongbo Zheng, Zhoulin Wang, Mingjun Li, Junhao Yang</i>
<a href="#">077_ISMSEE2022</a>	<b>Modeling and simulation for pressure and speed double closed-loop of servo direct drive pump-controlled hydraulic system based on AMESim</b> <i>Hongbo Zheng, Mingjun Li, Zhoulin Wang, Junhao Yang</i>
<a href="#">078_ISMSEE2022</a>	<b>Research and typical application of microgrid transaction method based on blockchain</b> <i>Yifei Qi, Hua Deng, Xia Wu, Tian Liang</i>
<a href="#">079_ISMSEE2022</a>	<b>Establishment and Verification of Core Loss Model of Nanocrystalline under Square Wave Excitation</b> <i>Yanxin Wang, Mo Li</i>
<a href="#">080_ISMSEE2022</a>	<b>Prediction of Spatio-temporal Distribution of Electric Vehicle Load based on Data-driven</b> <i>Yuanxing Zhang, Xiaohong Diao, Taoyong Li, Jiaqing Zhao, Jiang Tian</i>
<a href="#">081_ISMSEE2022</a>	<b>Research on Risk Assessment of Electric Vehicle Charging Station Project Based on Best-Worst-Method and Vague Set Techniques</b> <i>Yingjin Ye, Bingkang Li</i>
<a href="#">082_ISMSEE2022</a>	<b>Research on steering Control Method of New Energy Vehicle under Big Data Analysis</b> <i>Yi Zhang, Yanmei Wu</i>
<a href="#">083_ISMSEE2022</a>	<b>Modeling and simulation validation of RBC Movement Authority functions for the column control system</b> <i>Yuhao Zhang, Tao He</i>
<a href="#">084_ISMSEE2022</a>	<b>Research on the Integrated Test Method of Small Arms Based on Distributed Network</b> <i>Zefei Li, Bin Zheng, Yunhua Yin, Jun Wang, Ziyao Huang</i>