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| **ICPMMT-29 13:00**  **The Development of the Software and Hardware to the Internet of Additive Manufacturing System based on Vat Photo Polymerization Technology**  *Zikra Firdouse, Manuco Alexander Ruilova Valle, Jia-Chang Wang* |
| **ICPMMT-35 13:15**  **Bifunctional Catalytic Activity of PrxCa1-xCo0.8Fe0.2O3-𝛿 Perovskites: A Combined Study of their Crystal Structure, Surface Composition and Electrochemical Properties**  *Adil Muneeb, Song Jeng Huang, and Raman SankarShih-Fu Ou* |
| **ICPMMT-36 13:30**  **Analysis for Ultra-precision Machining of CaF2 Based on Kriging Model**  *Wei-Ting Lin, Yuan-Chieh Cheng, Ke-Er Tang, Chun-Wei Liu* |
| **ICPMMT-55 13:45**  **Machining Time Estimation of the EDM Process**  *Wei-Chen Lee, Chang-Lin Yang* |

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| **ICPMMT-26 14:15**  **Control Design of Parallel-Connected PWM DC-AC Converters for Sustainable Energy Applications**  *En-Chih Chang, Guan-Wen Lin, Yu-Ting Lin, Kuan-Chieh Mao, Rong-Ching Wu* |
| **ICPMMT-33 14:30**  **Design and Implementation of High-Efficiency Power Inverter Using Adaptive Nonlinear Control**  *En-Chih Chang, Dung-Ting Tsai, Zheng-Kai Xiao, Wei-Cheng Kuan, Rong-Ching Wu* |
| **ICPMMT-41 14:45**  **Robust Optimum Design of Maximum Power Point Tracker for Photovoltaic Power Generation Systems**  *Rong-Ching Wu, Jia-Lin Wang, Hung-Yi Lee, Jin-Jia Guo,*  *En-Chih Chang* |

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| **ICPMMT-70 15:10**  **Automatic Guided Vehicles for Guidance and Service**  *Yeong-Lin Lai, Li-Cheng Lan, Li-Wei Tseng* |
| **ICPMMT-74 15:25**  **A Revised Labeling Method for Stock Movement Direction Prediction**  *Yeh-Chun Juan, Lan-Sheng Yao* |
| **ICPMMT-84 15:40**  **Vision System Based on Deep Learning for Product Inspection in Casting Manufacturing: Submersible Pump Impeller Images**  *Supachai Taweelerd, Chong-Ching Chang, Gow-Yi Tzou* |
| **ICPMMT-85 15:55**  **Deep Learning based Chronic Kidney Disease Detection through Iris**  *Hafiz Abbad Ur Rehman, Chyi-Yeu Lin, Shun-Feng Su* |

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| **ICPMMT-37 16:25**  **Applying Cyber Physical System Architecture Concept to the Design and Manufacturing of Blood Glucose Monitoring Systems to Provide Man-Machine Interactions and Intelligent Automation**  *Hsin-Yi Kuo, Ho Chang, Yuan-Hwei Cheng, Jin-Siang Shaw, Rahn-Fong Lee* |
| **ICPMMT-62 16:40**  **Simulation and Experimental Analysis of Draw-thread Products under Different Lubrication Conditions**  *Shao-Yi Hsia, I-Teng Wang, Cong-Shun Huang, Wei-Hao Huang* |
| **ICPMMT-71** **16:55**  **Implementation of an Early Warning Model for Winding Anomalies in Dyeing Cylinder Equipment Using Machine Learning**  *Chien-Chih Wang, Yu-Hsun Li, Ting-You Yeh* |
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| **ICPMMT-18 09:00**  **On the Integration of a Walking Pad for Immersive Virtual Reality**  *Chi-An Lai, Shi-Jie Wang, Nai-Jui Ou, Chung-Shuo Lee,*  *Yung-Chou Kao* |
| **ICPMMT-23 09:15**  **Applications of an Intelligent Manufacturing Integration System in Metal Cutting Processing with Case Studies**  *Sin-Jia Chen, Jhen-Ting Huang, Tzu-Yu Shen, Feng-Jun Li, Yung-Chou Kao* |
| **ICPMMT-25 09:30**  **Tracking Control of a Precision Stage with NARX Neural Network for Friction Compensation**  *Iqbal Taufik Irfanda, Jing-Chung Shen* |
| **ICPMMT-28 09:45**  **Design Improvement and Fatigue Analysis for a Combined Bicycle Handlebar Stem System using Uniform Design Method and Grey Relational Analysis**  *Yung-Chang Cheng, Tsung-Yu Hsieh, Cho-Pei Jiang,*  *Cheng-Kang Lee* |

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| **ICPMMT-08 10:15**  **Reduction of Drilled-Hole Fracture by Rotary Ultrasonic Machining Technology**  *Jeng-Nan Lee, Yen-Chia Wu* |
| **ICPMMT-64 10:30**  **Surface Roughness Analysis of High Speed Milling in Grooving** *Dyi-Cheng Chen, Tzu-Wen Chen* |
| **ICPMMT-73 10:45**  **Establishment of the Optimal Predictive Model of Die Steel SKD11 Micromilling via Nanofluid (Graphene) / Ultrasonic Atomizing Minimum Quantity Lubrication**  *Wei-Tai Huang, Lin-Yi Chen* |
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| **ICPMMT-05 11:00**  **Study on Shape Memory Effect of Hot Deep-Drawn Ni-Ti Shape Memory Alloy Sheet Part**  *Kuang-Jau Fann, Chun-Hao Chang* |
| **ICPMMT-38 11:15**  **Finite Element Analysis of Cold Drawing of Stainless Steel Bars** *Yeong-Maw Hwang, Man-Ru Lin, Bing-Chien Chen, Hiu Shan Rachel Tsui* |
| **ICPMMT-44 17:30**  **Study on Pre-Acceleration Characteristics of Servo Motor Applied on Stamping Die Cushion**  *Kuang-Jau Fann, Bo-Hao Peng* |

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| **ICPMMT-17** **12:45**  **The Storage Container for Demonstrate BWR Spent Nuclear Fuel Dry Storage in Taiwan**  *Yu-Jen Lin, Chih-Hao Chen, Ching-Wei Yang, and Chun-Hao Chen* |
| **ICPMMT-57 13:00**  **Methodology to Incorporate Damaged BWR Spent Fuel as Contents in the NAC UMS Storage System**  *May Su, George Carver, Chih-Hao Chen, Ching-Wei Yang, Chien-Liang Shih* |
| **ICPMMT-72 13:15**  **Predicting Recovery Rate of Steelmaking and Exploring Relevant Operation Parameters**  *Yen-Ting Chou, Ssu-Han Chen, Shin-Hsuan Lin, Chien-Hsin Kuo, Chi-Fan Chen* |
| **ICPMMT-04 13:30**  **Magnetic Force Enhanced Atmospheric Plasma Polishing Ability to Improve Surface Roughness of Copper Base Materials**  *Hao-Long Chen, Sheng-Han Syue* |
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| **ICPMMT-65 14:00**  **Phase Transformation Characterization of Nitinol Fabricated by Selective Laser Melting Process**  *Meng-Hsiu Tsai, Bo-Hao Chen, Yi-Cheng Chen, Tai-I Hsu, Shih-Fu Ou* |
| **ICPMMT-67 14:15**  **A Novel String EDM Mechanism for the Curved Conformal Cooling Channel (CCC) Fabricated by SLM-Additive Manufacture**  *Albert Wen-Jeng Hsue, Yi-Da Pan, Li-Wei Lu* |
| **ICPMMT-78 14:30**  **Development of Tape-casting Multi-slurry Additive Manufacturing Technology of ZrO2**  *Cho-Pei Jiang, Yulius Shan Romario* |

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| **ICPMMT-24 15:10**  **Effects of Shot Peening on the Tribological Properties of Aluminum Alloys with T6 Treatment**  *Yuh-Ping Chang, Li-Ming Chu, Chien-Te Liu, Jin-Chi Wang* |
| **ICPMMT-31 15:25**  **Fuzzy Tree Classification System for Fault Diagnosis on Ion Implanter**  *Shih-Cheng Horng, Yu-Ling Lin* |
| **ICPMMT-50 15:40**  **Study on Impact to Blankholder in Dual-Mass Type under Preload**  *Kuang-Jau Fann, Chia-Ming Chang* |
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| I**CPMMT-21 16:10**  **Finite Element Analysis on Tube Fittings**  *Jen-Chou Hsiung, Hsiang-Yu Teng, Jui-Hsiang Wu, Gow-Yi Tzou* |
| **ICPMMT-63 16:25**  **Finite Element Study on Spinning Process of an Aluminum Tube** *Kuang-Jau Fann* |