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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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| **Saturday,****12 June** | **Session 2****14:00 – 15:00** | ***Chair***：***Min-Chie Chiu*** |
| **ICPMMT-10** **14:00****Remote Control of Greenhouse Hybridized with AI Technique and LoRa Communication***Wei-Cheng Huang, Min-Chie Chiu, Long-Jyi Yeh, Che-Min Chiu*  |
| **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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| **Saturday,****12 June** | **Session 4****16:10– 17:10** | ***Chair***：***Shao-Yi Hsia*** |
| **ICPMMT-22 16:10****Optimization Design of the Honeycomb Core by Uniform Design** *Chi-Lung Tsai, Chi-Chang Hsieh, Yung-Chang Cheng* |
| **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-06** **10:00****Characteristic Analysis of Rotating Ultrasonic Machining Applied in Zirconia Grinding***Teng-Hui Chen, Jeng-Nan Lee, Ming-Hsu Tsai, Shang-Wei Fu, Yen-Chia Wu* |
| **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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| **Sunday,****13 June** | **Session 8****12:45 – 13:45** | ***Chair***：***Chih-Hao Chen*** |
| **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-03 13:45****Development of Sticky Tape Printing for Metal Additive Manufacturing System***Cho-Pei Jiang, M Fahrur Rozy Hentihu* |
| **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-09 14:55****Comparisons of FEM Simulation and Slab Method on Rotating Drawing with Constant Shear Friction** *Un-Chin Chai, Hsiang-Yu Teng, Gow-Yi Tzou* |
| **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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| **ICPMMT-68 15:55****Process and Die Design of Multi-station Roller Cassette Hot Rolling for Aluminium Alloy 6061 Wire** *Chien-Jen Ho , Cheng-Hsien Yu, Chi-Yuan Kao, Jinn-Jong Sheu* |
| 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* |