

Cobo Center 310B

| Date | Time | Session Title | Paper Number | Paper Title | Author | Session Chair | |
|---|-----------------------------------|--|--|--|---------------------|--------------------|-----------------|
| Jun,10 Tue | 10:00-11:30am | opening | | | | Barbara Linke | |
| | | 2-3-1 Opening session | MSEC2014-3975 | EXPLORATION OF A NEW APPROACH FOR CALIBRATING GRINDING POWER MO | Zhongde Shi | | |
| | | 2-3-1 Opening session | MSEC2014-4001 | Cylindrical grinding of nitrided steels: fatigue life, grindability, specific energy, temperatures | Jeffrey Badger | | |
| | 1:30-3:00pm | 2-5 Forming and Joining of Traditional and | | Keynote by Prof. Tekkaya and Kuwabara(each 45min) | | | Yannis Korkolis |
| | | 2-5 Forming and Joining of Traditional and | MSEC2014-4197 | | | Nooman Ben Khalifa | |
| | | 2-5 Forming and Joining of Traditional and | MSEC2014-4002 | | | Toshihiko Kuwabara | |
| | 3:30-5:00pm | | | | | | |
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| | | | | | | | |
| Jun,11 Wed | 8:30-10:00am | 2-3-5 Loose Abrasive | MSEC2014-3995 | Subsurface Crack Analysis for Diamond Slurry Lapping of Sapphire Wafers | Chao-Chang A. Chen | Barbara Linke | |
| | | 2-3-5 Loose Abrasive | MSEC2014-4093 | Experimental Investigation of Vibratory Finishing Process | xiaozhong song | | |
| | | 2-3-5 Loose Abrasive | MSEC2014-4121 | WEAR OF ABRASIVE PARTICLES IN SLURRY DURING LAPPING | James Lehner II | | |
| | 10:30-12:00am | 2-8-1 Needle Tissue Cutting | MSEC2014-4046 | ADVANCED FIVE-PLANE LANCET NEEDLE DESIGN, GRINDING, AND TISSUE INS | Yancheng Wang | Barbara Linke | |
| | | 2-3-6 Tool innovations | MSEC2014-4114 | Development of Novel Long-Life CBN Wheel at High Efficiency Condition | Fukuo Hashimoto | | |
| | | 2-3-6 Tool innovations | MSEC2014-4060 | NONWOVEN WHEEL POLISHING OF TI-6AL-4V AND CO-CR-MO ALLOYS | Yancheng Wang | | |
| | 1:30-3:00pm | 5-2-2 Sustainable Manufacturing Systems M | MSEC2014-4014 | Plant Level Energy Supply Analysis And Optimization in Energy, Economy and Environment | Lujia Feng | Qing Chang | |
| 5-2-2 Sustainable Manufacturing Systems M | | MSEC2014-4068 | JOINT PRODUCTION AND ENERGY MODELING OF SUSTAINABLE MANUFACTUR | Lin Li | | | |
| 5-2-2 Sustainable Manufacturing Systems M | | MSEC2014-4105 | Manufacturing Process Information Models For Sustainable Manufacturing | Mahesh Mani | | | |
| Jun,12 Thu | 10:30-12:00am | Wu Symposium -- International Mfg Technology | | | | | |
| | 1:30-3:00pm | 2-3-7 Grindability | MSEC2014-4102 | A DISCUSSION ON REMOVAL MECHANISMS IN GRINDING POLYCRYSTALLINE D | Florestan Schindler | Barbara Linke | |
| | | 2-3-2 Tool wear and conditioning | MSEC2014-4104 | Tool wear model for double face grinding with planetary kinematics | Kleinschmit | | |
| | | 2-3-2 Tool wear and conditioning | MSEC2014-3921 | Review on Grinding Tool Wear in Terms of Sustainability | Barbara Linke | | |
| 3:30-5:00pm | Challenges in Cloud Manufacturing | | Cloud manufacturing Big Panel | | Lihui Wang | | |
| Jun,13 Fri | 8:30-10:00am | NSF Info Session | | NSF Info Session | | | |
| | 10:30-12:00am | 2-5-8 Novel forming processes | MSEC2014-4148 | On The Manufacture Of Lightweight Alloy Tubes Via Friction Stir Back Extrusion: Process E | Justin Milner | Matteo Strano | |
| | | 2-5-8 Novel forming processes | MSEC2014-4161 | Effect of Pulsed Current With 1450 MPa Martensitic Steel | Megan Lobdell | | |
| | | 2-5-8 Novel forming processes | MSEC2014-4118 | Vaporizing Foil Actuator Welding of AA6061 with CU110: Effect OF Heat Treatment Cycles | Anupam Vivek | | |

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| Date | Time | Session Title | Paper Number | Paper Title | Author | Session Chair |
|---------------|--|---|-----------------------|---|---|-------------------|
| Jun,10 Tue | 10:00-11:30am | Control of Manufacturing Machines and Systems | NAMRC42-4536 | Characterization of Machine Axis Errors for Modulated Tool Path (MTP) Machining | Luke Berglind | Patrick Kwon |
| | | | NAMRC42-4482 | Time-Optimal Feed-Rate Scheduling for Nanopositioning Systems with Confined Contouring | Jingyan Dong | |
| | | | NAMRC42-4417 | Performance Evaluation of Orbital EDM along Helical path over Cavity Sinking EDM of Inco | Harshit Dave | |
| | 1:30-3:00pm | Machining Process Monitoring | NAMRC42-4523 | Infrared Thermography of the Chip-Tool Interface through Transparent Cutting Tools | Viswanathan Madhavan | Rob Ivester |
| | | | NAMRC42-4532 | Uncertainty in Measurement of the Maximum Cutting Tool Temperature by Infrared Thermog | Brandon Lane | |
| | | | NAMRC42-4521 | (Student Paper Presentation Award) Particle Filter for Tool Wear Prediction | Robert Gao | |
| | 3:30-5:00pm | Materials modeling | NAMRC42-4481 | A Time-Compressed Numerical Approach for Thermal Analysis of Preheating Process in Pow | Antonino Ducato | Yuebin Guo |
| | | | NAMRC42-4462 | Prediction of Materials Microstructural Texture Evolution in Machining via Viscoplastic Self- | Omar Fergani | |
| | | | NAMRC42-4452 | Development of Material Information Model to Support the Powder Metallurgical Product and | Omer Yaman | |
| Jun,11 Wed | 8:30-10:00am | Innovative Forming Processes | NAMRC42-4421 | An Expert System for Manufacturability Assessment and Process Planning of Sheet Metal Par | Shailendra Kumar | Bill Emblom |
| | | | NAMRC42-4430 | Influence of Temperature on Environmentally Benign Tribological Systems in Cold Forging C | Sebastian Zang | |
| | | | NAMRC42-4410 | (Student Paper Presentation Award) Burnishing of Aerospace Alloy: A Theoretical-Experimen | Tao Zhang | |
| | 10:30-12:00am | Laser-based Processes | NAMRC42-4530 | Selective Laser Foaming of Gas Impregnated Biodegradable Polymer | Wei Li | Frank Pfefferkorn |
| | | | NAMRC42-4434 | Prediction of Temperature Profile Using a Finite Difference Method for Selective Laser Melti | Tugrul Ozel | |
| | | | NAMRC42-4441 | Rejuvenation of Steel Dies with Hot Wire Laser Cladding | David Schwam | |
| | 1:30-3:00pm | Forming: materials | NAMRC42-4520 | On Surface Damage of Polymer Coated Sheet Metals during Forming | Jyhwen Wang | I.S. Jawahir |
| | | | NAMRC42-4490 | Phase Evolution in Hot Forging of Dual Phase Titanium Alloys: Experiments and Numerical | Gianluca Buffa | |
| | | | NAMRC42-4443 | Springback study of bimetallic material during bending | Shakil Kagzi | |
| Jun,12 Thu | 10:30-12:00am | Machining Optimization | NAMRC42-4518 | Approaches for Improving Surface Flatness for Face Milling | John Agapiou | Tony Schimtz |
| | | | NAMRC42-4522 | Fiber Orientation Angle Effects in Machining of Unidirectional CFRP Laminated Composites | Viswanathan Madhavan | |
| | | | NAMRC42-4525 | FLATNESS IMPROVEMENT IN SINGLE POINT DIAMOND TURNING OF FINITE SIZE | Sathyan Subbiah | |
| | 1:30-3:00pm | Energy-efficient Manufacturing | NAMRC42-4465 | Real-time Monitoring and Evaluation of Energy Efficiency and Thermal Management of Data | Babak Lajevardi | Anil Srivastava |
| | | | NAMRC42-4489 | Feed drive model for machine tool energy consumption simulation | Byung-Kwon Min | |
| | 3:30-5:00pm | Manufacturing Machines and Tools | NAMRC42-4414 | Optimization Driven Design of Lean Machine Tool Structures | P.V.M Rao | Simon Park |
| | | | NAMRC42-4475 | Correction for Synchronization Errors in Dynamic Measurements | Tony Schmitz | |
| | | | NAMRC42-4473 | A Study on Geometry Modelling of Ball-end Mill with Chamfered Cutting Edge | Lihui Wang | |
| | Jun,13 Fri | 8:30-10:00am | Manufacturing Systems | NAMRC42-4500 | Pool Segmentation for Predicting Water Trap Regions in Water Jet Cleaning | Sara McMains |
| NAMRC42-4477 | | | | THE SIMULATION-BASED COMPARISON OF JOINT IMPLEMENTATION OF JIT, TO | Vishnu Wakchaure | |
| NAMRC42-4428 | | | | A Graph-Based Method for the Application and Quantification of Design for Assembly (DFA) | Steven Turek | |
| 10:30-12:00am | | Machinability of materials | NAMRC42-4423 | Experimental and Numerical Investigation of Ti6Al4V Alloy machinability using TiAlN Coat | Ibrahim Deiab | Jian Cao |
| | | | NAMRC42-4461 | Crystallographic Textures Resulting From Severe Shear Deformation In Machining | M. Ravi Shankar | |
| NAMRC42-4458 | Prediction of Machining Induced Grain Size with FE-Based Simulations of Ti-6Al-4V and IN | Tugrul Ozel | | | | |

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| Date | Time | Session Title | Paper Number | Paper Title | Author | Session Chair |
|---------------|---------------|---------------------------------|--------------|---|---------------------------|------------------|
| Jun,10 Tue | 10:00-11:30am | Modeling of forming processes | NAMRC42-4497 | Texture and Surface Roughness Resulting from Multiscale Open Die Hydroforming | William Emblom | John Roth |
| | | | NAMRC42-4493 | Formability Prediction of Aluminum Sheet Alloys under Isothermal Forming Conditions | Ghassan Kridli | |
| | | | NAMRC42-4406 | A New Model for the Prediction of Width Spread in Roughing Mills | Sangmoo Hwang | |
| | 1:30-3:00pm | Quality processes | NAMRC42-4503 | Comparative study between 2D and 3D characterization methods for cylinder liner plateau honing | Mohammed YOUSFI | John Ziegert |
| | | | NAMRC42-4456 | Dependence of Tooth Flank Finishing on Powertrain Gear Noise | Simon Jolivet | |
| | | | NAMRC42-4501 | (Student Paper Presentation Award) Data-Driven Predictive Nickel-Hydrogen Battery Health Monitoring | Xiaoning Jin | |
| | 3:30-5:00pm | Sustainable Manufacturing | NAMRC42-4457 | (Student Paper Presentation Award) Development and Utilization of A Process-Oriented Information System for Sustainable Manufacturing | Heng Zhang | Shreyes Melkote |
| | | | NAMRC42-4416 | Synergizing lean and green for continuous improvement | R.S. Wadhwa | |
| | | | NAMRC42-4409 | New Concepts for Bio-inspired Sustainable Grinding | Barbara Linke | |
| Jun,11 Wed | 8:30-10:00am | Nanocomposites | NAMRC42-4431 | (Student Paper Presentation Award) Effects of Foaming through Leaching on Electrical Behavior of Nanocomposites | Simon Park | Hitomi Yamaguchi |
| | | | NAMRC42-4438 | Bulk Al Matrix Nanocomposites Formed through In situ Oxidation and Melting of Aluminum | Jiaquan Xu | |
| | | | NAMRC42-4506 | Hybrid Production of Master Nanocomposites for Bulk Metal Matrix Nanocomposites | Hongseok Choi | |
| | 10:30-12:00am | Nanomanufacturing | NAMRC42-4432 | Development of Carbon Nanotube / Polyvinylidene Difluoride Nanocomposite based Force Sensitive Actuators | Simon Park | Yong Huang |
| | | | NAMRC42-4487 | Characterisation Of Electrospun Magnetic Nanoparticle Fe2O3/ PVA Nanofibers | N.H. AKHMAL NGADIMA | |
| | | | NAMRC42-4488 | Performance Evaluation Of Electrospinning Process To Fabricate Magnetic Nanofibers via DC Discharge | Noordin Mohd Yusof | |
| | 1:30-3:00pm | Novel Machining Processes | NAMRC42-4407 | Feasibility Study on Circular Milling Technology for Hole Making of Bi-Layer Composite Materials | Hukuzo Yagishita | John Agapiou |
| | | | NAMRC42-4413 | Improving Thread Milling | W. Worthington Treasure | |
| | | | NAMRC42-4509 | Surface Dimple Machining in Whirling | Takashi Matsumura | |
| Jun,12 Thu | 10:30-12:00am | Process planning for machining | NAMRC42-4446 | Cost Optimization and Experimental Design in Milling using Surrogate Models | Jaydeep Karandikar | Laine Mears |
| | | | NAMRC42-4444 | Towards a unified problem formulation for 5-axis toolpath planning | Sushrut Pavanaskar | |
| | | | NAMRC42-4449 | Cost Effective Machining of Ti-6Al-4V Using State-of-the-Art Machining Centers | Shogo NAKASHIMA | |
| | 1:30-3:00pm | Micro-machining | NAMRC42-4433 | Process Optimization and Decision Support for High Performance Micro-milling of Ti-6Al-4V | Tugrul Ozel | Burak Ozdoganlar |
| | | | NAMRC42-4510 | Geometrical quality improvement of high aspect ratio micromilled pins | Lara Rebaioli | |
| | | | NAMRC42-4533 | Evaluation of burr formation in micro grooves machined with HSS micro end mill in dry and flood conditions | Daniel Fernandes Da Cunha | |
| | 3:30-5:00pm | Surface Modification Processes | NAMRC42-4418 | Grind/Lap Process with UV Bonded Diamond Wheel | QIUYUN HUANG | Brian Paul |
| | | | NAMRC42-4485 | Surface Integrity in Burnishing of Inconel 718 | Y.B. Guo | |
| | | | NAMRC42-4445 | Increasing the Efficiency of Thin Film Solar Cells through Surface Texturing of Flexible and Rigid Substrates | Murali Sundaram | |
| Jun,13 Fri | 8:30-10:00am | Modeling of machining processes | NAMRC42-4474 | Process Damping Milling Model Database | Tony Schmitz | Tugrul Ozel |
| | | | NAMRC42-4499 | Slip-Line Field Analysis Of Large Strain Extrusion Machining | Wilfredo Moscoso-Kingsley | |
| | | | NAMRC42-4440 | 2D and 3D Numerical Models of Orthogonal Cutting using an Arbitrary Lagrangian-Eulerian Method | Elaine MacDonald | |
| | 10:30-12:00am | Tool Wear in Machining | NAMRC42-4494 | Examining the effects of cooling/lubricating conditions on tool wear in milling Hastelloy X | Tony Schmitz | Scott Smith |
| | | | NAMRC42-4507 | A Cutting Condition Independent Method to Monitor Tool Wear in Milling | Mehdi Nouri | |
| | | | NAMRC42-4512 | Numerical Investigation of Tool Performance in Milling of Ti-6AL-4V Alloy | JIANFENG MA | |

Cobo Center 313AB

| Date | Time | Session Title | Paper Number | Paper Title | Author | Session Chair |
|--|---------------|--|--|---|-----------------------|----------------------------|
| Jun,10 Tue | 10:00-11:30am | Welding and Friction-Stir Processes | NAMRC42-4516 | Fuzzy Logic Based Modeling and Control on Coating Properties in Plasma Spraying Process | Zhenhua Wu | Steve Schmid |
| | | | NAMRC42-4527 | Correlating Process Parameters to Thrust Forces and Torque in the Friction Stir Processing of | Ali Ammouri | |
| | | | NAMRC42-4429 | A Methodology for Controlling Grain Size in Friction Stir Processes | Ramsey Hamade | |
| | 1:30-3:00pm | 2-3-7 Grindability | MSEC2014-3993 | Thermal Aspects and Grinding Aggressiveness in View of Optimizing High-Performance Gri | Peter Krajnik | Barbara Linke |
| | | 2-3-2 Tool wear and conditioning | MSEC2014-4169 | Effects of Single Point Dressing on Seeded Gel Grinding Wheel Surface Topography | Shreyes Melkote | |
| | | 2-3-3 Aerospace Applications | MSEC2014-4130 | Investigations for Safe Grinding of Ti-6Al-4V Parts Produced by Direct Metal Laser Sintering | Radu Pavel | |
| | 3:30-5:00pm | 2-3-3 Aerospace Applications | MSEC2014-3931 | Abrasive Machining of Aerospace Alloys -Challenges and Recent Advancements | Changsheng Guo | Barbara Linke |
| 2-3-4 Monitoring and Modeling | | MSEC2014-3971 | Predictive Force Modeling in MQL (Minimum Quantity Lubrication) Grinding | Yamin Shao | | |
| 2-3-4 Monitoring and Modeling | | MSEC2014-3969 | Monitoring the Parameter Effects of Surface Grinding Process Using Temperature, Acoustic E | Guoxu Yin | | |
| Jun,11 Wed | 8:30-10:00am | 2-8-1 Needle Tissue Cutting | MSEC2014-4203 | Modeling and Simulation of Flexible Needle Insertion Into Soft Tissue Using Modified Local | Yong LEI | Yancheng Wang Cheryl Xu |
| | | 2-8-1 Needle Tissue Cutting | MSEC2014-4049 | Affects of Vibratory Parameters on Needle Insertion Force | Andrew C. Barnett | |
| | | 3-1-2 session 2 - polymer material | MSEC2014-4160 | TOOL/CHIP INTERFACIAL STRESS DISTRIBUTIONS IN ATOMISTIC MACHINING O | Jing Shi | |
| | 10:30-12:00am | 4-2-2 advances in green energy manufacturi | MSEC2014-3917 | Integrated Model of Battery Manufacturing System | Yang Li | Jorge Arinez |
| | | 1-1-1 Microstructure evolution in machining | MSEC2014-4003 | Understanding Deformation on Machined Surfaces | Yang Guo | Mustapha |
| | | 1-1-1 Microstructure evolution in machining | MSEC2014-4011 | Microstructure-based 3D FE Modeling For Micro Cutting Ferritic-pearlitic Carbon Steels | Mustapha Abouridouane | Abouridouane |
| | 1:30-3:00pm | 3-1-9 session 9 - metal particles involved | MSEC2014-3957 | High Production Rate Synthesis of CdS Nanoparticles Using a Reverse Oscillatory Flow Meth | Daniel A. Peterson | Cheryl Xu |
| 3-1-9 session 9 - metal particles involved | | MSEC2014-3990 | Superoleophobic Surfaces on Al and Mg Alloy Substrates through Rapid Surface Micro/Nano | Jinlong Song | | |
| 3-1-9 session 9 - metal particles involved | | MSEC2014-4202 | Effect of Die Properties on Forming of Micro-parts by Forward-Backward Extrusion of 6063 A | Tatsuya Funazuka | | |
| Jun,12 Thu | 10:30-12:00am | 1-1-3 Manufacturing with Polymers | MSEC2014-3908 | Technology and Mechanical Properties of Samples Obtained by Injection from Arboform L, V | Dumitru Nedelcu | Wilfredo Moscoso |
| | | 1-1-3 Manufacturing with Polymers | MSEC2014-3976 | Research about Key Factors in Jet Puncturing Process for Multilayer Composite Matetial | Sheng Hu | |
| | | 1-1-3 Manufacturing with Polymers | MSEC2014-4041 | Fabrication of Continuously Varying Thickness Micro-cantilever using Bulk Lithography Proc | Kiran Bhole | |
| | 1:30-3:00pm | 1-1-4 Manufacturing with Metals | MSEC2014-3933 | Effects of Ultrasonic Nano-crystal Surface Modification on the Microstructure and Properties | Chang Ye | Christopher Saldana |
| | | 1-1-4 Manufacturing with Metals | MSEC2014-3948 | Numerical simulation of the austenitization process in hypoeutectoid Fe-C steels | Zhenguo Nie | |
| | | 1-1-4 Manufacturing with Metals | MSEC2014-3961 | Experimental Characterization of Electroplated CBN Grinding Wheel Wear: Topology Evolut | Ashraf Bastawros | |
| | 3:30-5:00pm | 1-2-1 Fabrication, Processing and Testing of | MSEC2014-3998 | Fabrication of Aluminum Nanocomposite by Ultrasonic Spray Deposited Sheet Bonding | Gap-yong Kim | Gap-yong Kim |
| 1-2-1 Fabrication, Processing and Testing of | | MSEC2014-4072 | EXPERIMENTAL OBSERVATION FOR SURFACE MODIFICATION OF METAL PLATI | Hyung Wook Park | | |
| 1-2-1 Fabrication, Processing and Testing of | | MSEC2014-3999 | Fabrication of Aluminum-Silicon Carbide Composite Using Spray-Assisted Roll Bonding | Gap-yong Kim | | |
| Jun,13 Fri | 8:30-10:00am | 2-13-1 Advances in Injection Molding | MSEC2014-3927 | Experimental Investigation of the Adhesion between Thermoplastic Polyurethane and Acrylon | Felicia Stan | Ramasubramani Kudr |
| | | 2-13-1 Advances in Injection Molding | MSEC2014-3928 | In-Mold Monitoring of Temperature and Cavity Pressure during the Injection Molding Proces | Catalin Fetecau | |
| | | 2-13-2 Advances in Polymer Processing: Co | MSEC2014-4097 | SINTERING OF POWDERS FROM FIBERGLASS RECYCLING | Fabrizio Quadrini | |
| | 10:30-12:00am | 1-1-2 Microstructure evolution in machining | MSEC2014-4174 | Effect Of Lenth Scales On Microstructure During Severe Shear Deformation | M. Ravi Shankar | Ravi Shankar |
| | | 1-1-2 Microstructure evolution in machining | MSEC2014-4180 | A Unified Approach to Modeling Material Behavior and Microstructure Evolution in Machini | Shreyes Melkote | |
| | | 1-1-2 Microstructure evolution in machining | MSEC2014-4213 | Incipient plastic strain fields in material removal processes | Christopher Saldana | |

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| Date | Time | Session Title | Paper Number | Paper Title | Author | Session Chair |
|--|---------------|--|---|---|--------------------|---------------------------------|
| Jun,10 Tue | 10:00-11:30am | ASME MED Executive Committee Meeting | | ASME MED Executive Committee Meeting | | |
| | 1:30-3:00pm | 4-3 Mechatronics for Advanced Manufactu | MSEC2014-1002 | Reduction of Rapid Positioning Time by Reference Path Modification: A Preliminary Investig | Chinedum Okwudire | Kira Barton, Stephen Ludwick |
| | | 4-3 Mechatronics for Advanced Manufactu | MSEC2014-3985 | Simple Dynamics and Open-Loop Control for Horizontal Boom Motion of Rotary Cranes | Naoki Uchiyama | |
| | | 4-3 Mechatronics for Advanced Manufactu | MSEC2014-4111 | Active Chatter Damping in Plunge Grinding Using Magnetic Actuators | Markus Ahrens | |
| | 3:30-5:00pm | 4-4 Advances in Quality and Process Contro | MSEC2014-3964 | A Method for Identifying Error Sources in Complex Assembly Process based on Multi-level N | Guangzhou Diao | Dragan Djurdjanovic |
| 4-4 Advances in Quality and Process Contro | | MSEC2014-4039 | Predicting Subjective Responses from Human Motion: Application to Vehicle Ingress Assessr | Hadi Masoud | | |
| 4-4 Advances in Quality and Process Contro | | MSEC2014-4147 | On-line Eccentricity Monitoring of Seamless Tubes in Cross-Roll Piercing Mill | Weihong Guo | | |
| Jun,11 Wed | 8:30-10:00am | MII Meeting(Robert Ivester host) | | | | |
| | 10:30-12:00am | | | | | |
| | 1:30-3:00pm | | | | | |
| Jun,12 Thu | 10:30-12:00am | 4-8-1Competitive Manufacturing Engineerin | MSEC2014-4016 | Sustaining the Competitive Edge of Small to Medium Size Enterprises through Innovative Ma | Mohamed Gadalla | Mohamed Seif |
| | | 4-8-1Competitive Manufacturing Engineerin | MSEC2014-4023 | Optimal Machining Parameter Selection in Titanium Milling using a Decision Aanalytic Fram | Jaydeep Karandikar | |
| | | 4-8-1Competitive Manufacturing Engineerin | MSEC2014-4034 | Relationship between Implementation of TQM, JIT, TPM and SCM and Manufacturing Perfo | Vishnu Wakchaure | |
| | 1:30-3:00pm | 4-8-1Competitive Manufacturing Engineerin | MSEC2014-4119 | MEASURING AND TRACKING OF LEAN MANUFACTURING TRANSFORMATION | Ahmed Soliman | Mohamed Seif |
| | | | | | | |
| | 3:30-5:00pm | 3-1-6 session 6 - other | MSEC2014-3941 | Predicting the Hermeticity Of Compression Seals In Microchannel Hemodialysers | Dustin K. Ward | Cheryl Xu |
| 3-1-6 session 6 - other | | MSEC2014-4187 | Supersonic Laser Deposition of Tungsten | Marshall G. Jones | | |
| 3-1-6 session 6 - other | | MSEC2014-4206 | The investigation of Energy Loss in Conformal Contact Mechanics of Carpal - Radial Comp | mohammad Hodaiei | | |
| Jun,13 Fri | 8:30-10:00am | 4-6 Optical Metrology and Imaging for Man | MSEC2014-3905 | A New Direct Strain Measurement Using Optical Grid Method | Bin Zhao | Song Zhang |
| | | 4-6 Optical Metrology and Imaging for Man | MSEC2014-3977 | Calibration for stereo vision system based on phase matching and bundle adjustment algorith | Zhen Wang | |
| | | 4-6 Optical Metrology and Imaging for Man | MSEC2014-4101 | Automated high-dynamic range 3D optical metrology technique | Song Zhang | |
| | 10:30-12:00am | 4-6 Optical Metrology and Imaging for Man | MSEC2014-4122 | MULTI-SCALE SURFACE CHARACTERIZATION AND CONTROL BASED HIGH DEN | Xin Weng | Song Zhang Haseung Chung |
| | | 4-7-1 System-level Integration of Additive M | MSEC2014-4037 | Review: Dimensional Accuracy in Additive Manufacturing Processes | Jeonghan Ko | |

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| Date | Time | Session Title | Paper Number | Paper Title | Author | Session Chair |
|--|---------------|--|--|--|---------------------|----------------------|
| Jun,10 Tue | 10:00-11:30am | 2-2-7 Process & Systems Modeling | MSEC2014-4098 | Fixture Layout Optimization Based on Social Radiation Algorithm | Yanfeng Xing | Zhichao (Charlie) Li |
| | | 2-2-7 Process & Systems Modeling | MSEC2014-4116 | THE Root Cause Of Nose And Flank Wear And Their Behavior In Turning Ti-6Al-4V WITH | Patrick Kwon | |
| | | 2-2-7 Process & Systems Modeling | MSEC2014-4175 | Fatigue Evaluation of 8630 Cast Steel Subjected to Post-Weld Heat Treatment and Stress Reli | Ihab Ragai | |
| | 1:30-3:00pm | 2-1-5 Laser Materials Processing III | MSEC2014-4210 | Experimental and Numerical Analysis of Laser Peen Forming Mechanisms of Sheet Metal | Hongtao Ding | Hongtao Ding |
| | | 2-7-2 Biomedical Materials Manufacturing | MSEC2014-4163 | DIRECT FABRICATION OF HIGHLY CONDUCTIVE MICRO SILVER TRACKS USING | Yuan-Shin Lee | Jason Z. Moore |
| | | 4-9-2 Process Monitoring | MSEC2014-4140 | PREDICTION OF TOOL WEAR BASED ON CUTTING FORCES WHEN END MILLING | Durul Ulutan | Radu Pavel |
| | 3:30-5:00pm | 2-5-2 Material modeling, Tribology | MSEC2014-4134 | Modeling Of Strength Differential Effects In HCP Sheet Materials | Srihari Kurukuri | Nooman Ben Khalifa |
| | | 2-5-2 Material modeling, Tribology | MSEC2014-4057 | AN INVESTIGATION OF THE RING HOOP TENSION TEST FOR ANISOTROPIC TUBE | Yannis Korkolis | |
| | | 2-5-2 Material modeling, Tribology | MSEC2014-4170 | Enhancement of Tribological Performance via Innovative Tooling Design for Extrusion Proce | Gracious Ngaile | |
| Jun,11 Wed | 8:30-10:00am | 2-5-3 Microstructures and modeling | MSEC2014-3953 | INVESTIGATION ON THE MICROSTRUCTURE AND MECHANICAL PROPERTY OF I | Zhubin He | Marko Knezevic |
| | | 2-5-3 Microstructures and modeling | MSEC2014-3987 | Modelling Static and Dynamic Kinetics of Microstructure Evolution in Type 316 Stainless Ste | Eduardo Dupin | |
| | | 2-5-3 Microstructures and modeling | MSEC2014-3984 | TOWARDS COMPUTATIONALLY TRACTABLE SIMULATIONS OF METAL FORMIN | Marko Knezevic | |
| | 10:30-12:00am | 2-5-4 Welding and roll-bonding | MSEC2014-3997 | Application of Ductile Fracture Model in Predicting Shear Cracks of Mg-Alloy Sheets during | Yuanli Bai | Hui Wang |
| | | 2-5-4 Welding and roll-bonding | MSEC2014-3991 | EXPERIMENTAL STUDY ON FRICTION STIR WELDING OF DISSIMILAR AL 6061 TC | Xun Liu | |
| | | 2-5-4 Welding and roll-bonding | MSEC2014-4000 | A comprehensive experimental study on the effect of process parameters in warm roll bonding | Matteo Strano | |
| | 1:30-3:00pm | 2-5-5 Joining | MSEC2014-4026 | Evaluating the Performance of Current Self-Pierce Rivet Technology for the Joining of High S | Stephen Van Hall | Mihaela Banu |
| | | 2-5-5 Joining | MSEC2014-4044 | Dissimilar Material Joint Strength and Structure for Friction Stir Forming Process | Scott Miller | |
| | | 2-5-5 Joining | MSEC2014-4061 | Friction Stir Blind Riveting for Dissimilar Cast Mg AM60 and Al alloy Sheets | Jianping Lin | |
| Jun,12 Thu | 10:30-12:00am | 2-5-6 Formability and residual stresses | MSEC2014-4133 | FORMABILITY ENHANCEMENT IN TITANIUM TUBE FLARING BY CONTROLLING | Chetan P. Nikhare | Edmund Chu |
| | | 2-5-6 Formability and residual stresses | MSEC2014-4069 | EXPERIMENTAL ESTIMATION OF SIZE EFFECT AND FORMABILITY IN MICROSCA | Hong Seok Kim | |
| | | 2-5-6 Formability and residual stresses | MSEC2014-4091 | Effects of High Rolling Loads on Residual Stress Distributions | Mohammed Yusuf Ali | |
| | 1:30-3:00pm | 2-5-7 Novel forming processes | MSEC2014-4125 | Vaporizing Foil Actuator: Controlling the Pressure Pulse for Impulse Based Metalworking | Anupam Vivek | Chetan P. Nikhare |
| | | 2-5-7 Novel forming processes | MSEC2014-4127 | A Mixed Toolpath Strategy for Improved Geometric Accuracy and Higher Throughput in Dou | Rui Xu | |
| | | 2-5-7 Novel forming processes | MSEC2014-3955 | Analytical prediction of the achievable strength for form-fit joining by die-less hydroforming | Christian Weddeling | |
| | 3:30-5:00pm | | | | | |
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| | | | | | | |
| Jun,13 Fri | 8:30-10:00am | 2-5-9 Joining | MSEC2014-3950 | Effect of Weld Defects on Tensile Properties of Lightweight Materials and Correlations with F | Mohammad Dewan | Jingjing Li |
| | | | | | | |
| | | | | | | |
| | 10:30-12:00am | 2-4-1 Advances in Nontraditional Manufac | MSEC2014-3943 | Improvement of free surface quality and edge overgrowth in complex shaped parts electroform | Zengwei Zhu | Anjali V. Kulkarni |
| 2-4-1 Advances in Nontraditional Manufac | | MSEC2014-4054 | Experimental Investigation of Drilling Incorporated Electrochemical Discharge Machining | Baoyang Jiang | | |
| 2-4-1 Advances in Nontraditional Manufac | | MSEC2014-4198 | Fabrication of Tapered Micro Pillars on Titanium Using Electric Discharge Micromachining | Vijay Kumar Jain | | |

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| Date | Time | Session Title | Paper Number | Paper Title | Author | Session chair |
|---|---------------|--|---------------|--|----------------------|---------------------------------|
| Jun,10 Tue | 10:00-11:30am | 2-1-1 Process Modeling | MSEC2014-3956 | MULTI-SCALE FINITE ELEMENT MODELING OF ALUMINA CERAMICS UNDERGO | Yung Shin | Xin Zhao |
| | | 2-1-1 Process Modeling | MSEC2014-3988 | A numerical study on welding stainless steel with lasers | Junke Jiao | |
| | | 2-1-1 Process Modeling | MSEC2014-4029 | RESIDUAL STRESS MODELING OF POWDER INJECTION LASER SURFACE CLADD | SANTANU PAUL | |
| | 1:30-3:00pm | 2-1-2 Laser Materials Processing I | MSEC2014-3967 | Pulsed Laser Ablation of Lithium Ion Battery Electrodes | Adrian Lutey | Qiong Nian |
| | | 2-1-2 Laser Materials Processing I | MSEC2014-4051 | Laser Crystallization of Transparent AZO films on Sapphire with High Electron Mobility for I | Qiong Nian | |
| | | 2-1-2 Laser Materials Processing I | MSEC2014-4165 | A parametric study on laser welding of magnesium alloy AZ31 by a fiber laser | Yung Shin | |
| | 3:30-5:00pm | 2-1-3 Laser Materials Processing II | MSEC2014-4065 | Experimental study on laser high-speed micro-processing | Junke Jiao | JIANFENG MA Hongtao Ding |
| | | 2-1-3 Laser Materials Processing II | MSEC2014-4191 | Numerical Investigation of Two-dimensional Thermally Assisted Ductile Regime Milling of B | JIANFENG MA | |
| | | 2-1-5 Laser Materials Processing III | MSEC2014-4178 | Laser Assisted Cold Bending Of High Strength Steels | Alessandro Ascari | |
| Jun,11 Wed | 8:30-10:00am | 2-1-4 Process Innovation | MSEC2014-4066 | Review on the Development of Non-destructive Testing Based on Laser Ultrasonic Technique | Yuanfeng He | Wenwu Zhang |
| | | 2-1-4 Process Innovation | MSEC2014-4173 | Upper-limb Rehabilitation Robot for Brain-injured Patients | Guokun Zuo | |
| | | 2-1-4 Process Innovation | MSEC2014-4181 | Surface Micro-scale Patterning for Biomedical Implant Material of Pure Titanium via High Er | Hongtao Ding | |
| | 10:30-12:00am | 2-2-1 Material Characterization | MSEC2014-3930 | Enhanced Surface Residual Compression of Carburized Steel Parts using Laser Peening Proce | Zhichao (Charlie) Li | Arif Malik |
| | | 2-2-1 Material Characterization | MSEC2014-3973 | Modeling of Pinion Gear Carbide Re-hobbing Process | Pravin Khurana | |
| | | 2-2-1 Material Characterization | MSEC2014-4152 | Processing of Porous Zirconium Oxide and Their Thermomechanical Properties | Patrick Kwon | |
| | 1:30-3:00pm | 2-2-2 Deformation Modeling | MSEC2014-4107 | FULLY RESOLVED NUMERICAL SIMULATIONS OF FUSED DEPOSITION MODELING | Sadegh Dabiri | Zhichao (Charlie) Li |
| | | 2-2-2 Deformation Modeling | MSEC2014-4137 | Sizing Design for 4-High Cold Rolling Mills | Andrew Nelson | |
| | | 2-2-2 Deformation Modeling | MSEC2014-4183 | A Straightening Stroke-Deflection Modeling and Simulation Approach Based on Online Meas | Hong Lu | |
| Jun,12 Thu | 10:30-12:00am | 2-2-3 Constitutive Properties & Modeling | MSEC2014-3940 | Development and Validation of CFD Methodology to Simulate Water Quenching Process | James Jan | Durul Ulutan |
| | | 2-2-3 Constitutive Properties & Modeling | MSEC2014-4038 | Effect Of Paste Properties On Extrudate Freezing Time In Freeze-form Extrusion Fabrication | Mingyang Li | |
| | | 2-2-3 Constitutive Properties & Modeling | MSEC2014-4204 | Identification of Process Damping Coefficient Based on Material Constitutive Property | Xiaoliang Jin | |
| | 1:30-3:00pm | 2-2-4 Composites, Polymers, Non-Metals | MSEC2014-3925 | An Enhanced Microstructure-Level Finite Element Machining Model For Carbon Nanotube (C | Shiv Kapoor | Arif Malik |
| | | 2-2-4 Composites, Polymers, Non-Metals | MSEC2014-3952 | Finite Element Study on Chip Formation And Force Response in Two-dimensional Orthogona | Demeng Che | |
| | | 2-2-4 Composites, Polymers, Non-Metals | MSEC2014-4115 | Characterization Of Fiber Pull-Outs In Drilled CFRP Holes Using Confocal Laser Microscope | Patrick Kwon | |
| | 3:30-5:00pm | 2-2-5 Systems Modeling | MSEC2014-4033 | Fault Diagnosis of Rolling Bearings based on Multi-scale Entropy and Ensembled Artificial N | Fen Chen | James Jan |
| | | 2-2-5 Systems Modeling | MSEC2014-4070 | Feature Extraction of Rolling Bearing Fault Based on Ensemble Empirical Mode Decompositi | Lei Zhao | |
| | | 2-2-5 Systems Modeling | MSEC2014-4123 | MODELING AND COMPENSATION OF BACKLASH AND HARMONIC DRIVE-INDUC | Le Ma | |
| Jun,13 Fri | 8:30-10:00am | 2-2-6 Machining | MSEC2014-3915 | Stress Triaxiality in Chip Segmentation in the High-speed Machining of Titanium Alloy | Xueping Zhang | Chandra Nath |
| | | 2-2-6 Machining | MSEC2014-4015 | Surface Integrity Studies In Ball End Milling Of Thin Shaped Cantilever INCONEL 718 | raju pawade | |
| | | 2-2-6 Machining | MSEC2014-4185 | MULTIOBJECTIVE OPTIMIZATION OF END MILLING HCHCr USING AlCrN PVD CO | Shantisagar Biradar | |
| | 10:30-12:00am | 2-10-1 Equipment and Tooling Design Inno | MSEC2014-3970 | A multi-axis deep drawing servo press with non-overconstrained architecture | Francesco Meoni | Sathyan Subbiah Xiaoning Jin |
| | | 2-10-1 Equipment and Tooling Design Inno | MSEC2014-4166 | Experimental Validation of Active Fixture Design Methodology | Otto Jan Bakker | |
| 4-2-1 energy efficient manufacturing system | MSEC2014-4047 | Resilience Measures of Manufacturing Systems under Disruptions | Xiaoning Jin | | | |

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| Date | Time | Session Title | Paper Number | Paper Title | Author | Session Chair |
|---------------|---------------|--|---------------|--|-----------------------|---------------------------------|
| Jun,10 Tue | 10:00-11:30am | 4-5-1 Challenges in Cloud Manufacturing | MSEC2014-3907 | Modeling and Analyzing the Material Flow of Crowdsourcing Processes in Cloud-Based Manu | Dazhong Wu | Lihui Wang |
| | | | MSEC2014-4020 | Cloud Manufacturing in Support of Sustainability | Xi Vincent Wang | |
| | | | MSEC2014-4094 | Cloud Manufacturing-A New Paradigm and Approach of Manufacturing Informatization | Jingeng Mai | |
| | 1:30-3:00pm | 4-5-2 Challenges in Cloud Manufacturing | MSEC2014-4019 | Development Status of Cloud Manufacturing in China | Jingeng Mai | Xun Xu |
| | | | MSEC2014-4036 | Dynamic Modeling of Manufacturing Equipment Capability in Cloud Manufacturing | Jiajia Yu | |
| | | | MSEC2014-4099 | Intelligent User Interface In Cloud Manufacturing | Lei Ren | |
| | 3:30-5:00pm | 4-5-3 Challenges in Cloud Manufacturing | MSEC2014-4022 | Optimal Machining Parameter Selection Based On Real-Time Machine Monitoring Using IEC | Nikolaos Tapoglou | Dazhong Wu |
| | | | MSEC2014-4027 | Concept for Function Block Enabled Process Planning Towards Multi-Site Cloud Collaboratio | Martin Helguson | |
| | | | MSEC2014-4031 | A Feature Based Method For Product-oriented Representation To Manufacturing Resources In | Yingguang Li | |
| Jun,11 Wed | 8:30-10:00am | 4-5-4 Challenges in Cloud Manufacturing | MSEC2014-4056 | Towards Knowledge Based Process Planning Support for CAPP-4-SMES - Problem Descripti | Franz Miltner | Xi Vincent Wang |
| | | | MSEC2014-4079 | Partial encryption based secure sharing of CAD models | Cai Xiantao | |
| | | | MSEC2014-4088 | A CLOUD BASED FEATURE RECOGNITION SYSTEM TO SUPPORT COLLOBORATIV | Arivazhagan Anbalagan | |
| | 10:30-12:00am | 4-5-5 Challenges in Cloud Manufacturing | MSEC2014-4078 | Complexity Optimization for Cooperative Sensing Using Coalition Games | Xi Ji | Lin Zhang |
| | | | MSEC2014-4131 | REPRESENTATION AND EXCHANGE OF DIGITAL CATALOGUES OF CUTTING TO | Yujiang Li | |
| | | | MSEC2014-4194 | INTERNET-OF-THINGS-ENABLED SMART PRODUCTION LOGISTICS EXECUTION S | Ting Qu | |
| | 1:30-3:00pm | 2-4-2 Advances in Nontraditional Manufac | MSEC2014-4211 | Magnetic Impelled Arc Butt Welding Implementation on Truck Chassis Components | Berna Balta | Franci Pusavec Yancheng Wang |
| | | | MSEC2014-4090 | ENHANCEMENT OF KIRSCHNER WIRE FOR BONE DRILLING | Bruce L. Tai | |
| | | | MSEC2014-4209 | Removal of Calcified Plaque Utilizing Orbital Atherectomy | Robert Kohler | |
| Jun,12 Thu | 10:30-12:00am | 4-5-6 Challenges in Cloud Manufacturing | MSEC2014-4008 | A Q-learning based selective disassembly planning service in the cloud based remanufacturing | Liang GAO | Robert X. Gao |
| | | | MSEC2014-4083 | RFID Indoor Localization using Master-Slave Reference Tags Scheme For Manufacturing Env | Shilong Zhang | |
| | | | MSEC2014-4109 | A Smart Cloud-based System for the WEEE Recovery/Recycling | Xi Vincent Wang | |
| | 1:30-3:00pm | 4-5-7 Challenges in Cloud Manufacturing | MSEC2014-4082 | A Security Framework For Cloud Manufacturing | Yazhe Wang | Martin Helguson |
| | | | MSEC2014-4155 | Cloud-Based Prognosis: Perspective and Challenge | Robert X. Gao | |
| | | | MSEC2014-4171 | An integrated cyber-physical system for cloud manufacturing | Lihui Wang | |
| | 3:30-5:00pm | 3-1-1 laser processing | MSEC2014-3932 | Comparison of Microscale Rapid Prototyping Techniques for Microfluidic Applications | Gordon D. Hoople | Cheryl Xu |
| | | | MSEC2014-4042 | CONTROL OF ABLATION DEPTH AND SURFACE STRUCTURE IN P3 SCRIBING OF | Yung Shin | |
| | | | MSEC2014-4162 | Laser micro processing of carbide tool insert | Ashfaq Khan | |
| Jun,13 Fri | 8:30-10:00am | 5-1 Sustainable Manufacturing for Emerging | MSEC2014-3944 | A New RFID based RTLS For Discrete Manufacturing Workshop | Liyun Nian | Chris Yingchun Yuan |
| | | 5-1 Sustainable Manufacturing for Emerging | MSEC2014-4010 | Relationship Investigation Between Energy Consumption and Parameters in Size Reduction an | Lin Li | |
| | | 5-1 Sustainable Manufacturing for Emerging | MSEC2014-4048 | Electrochemical Machining Recycling for Metal Recovery and Waste Elimination | Maria Inman | |
| | 10:30-12:00am | 5-1 Sustainable Manufacturing for Emerging | MSEC2014-4141 | GEOGRAPHIC DIFFERENCES OF GREENHOUSE GAS EMISSION REDUCTION FROM | Fan Yang | Chris Yingchun Yuan |
| | | 5-2-1 Energy Conscious Manufacturing Sch | MSEC2014-3926 | MANUFACTURING SCHEDULING FOR ENERGY COST REDUCTION IN A SMART G | Hao Zhang | |
| | | 5-2-1 Energy Conscious Manufacturing Sch | MSEC2014-4006 | Simulation-Based Optimization of Electricity Demand Response for Sustainable Manufacturin | Lin Li | |

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| Date | Time | Session Title | Paper Number | Paper Title | Author | Session Chair |
|--|---|---|--|---|---------------------|-----------------------------------|
| Jun,10 Tue | 10:00-11:30am | Bio-manufacturing | NAMRC42-4435 | Effect of Carbon Nanotube Reinforcement on Coaxially Extruded Vascular Conduits | Ibrahim Ozbolat | Wei Li |
| | | Bio-manufacturing | NAMRC42-4411 | Effect of Drug Loading and Laser Surface Melting on Drug Release Profile from Biodegradab | Shan-Ting Hsu | |
| | 1:30-3:00pm | 2-8-3 Biomedical Materials Manufacturing | MSEC2014-4035 | ENVIRONMENTALLY BENIGN ELECTROPOLISHING OF BIOMEDICAL ALLOYS | Maria Inman | |
| | | 2-8-3 Biomedical Materials Manufacturing | MSEC2014-4064 | Microstructural and Dynamic Mechanical Characterization of Biodegradable Magnesium-Calc | Y.B. Guo | |
| | | 2-9 Advancement in Manufacturing Process | MSEC2014-4040 | A COMPARATIVE STUDY OF ENERGY AND MATERIAL FLOW IN MODULATION-A | Ho Yeung | |
| | 3:30-5:00pm | 2-9 Advancement in Manufacturing Process | MSEC2014-4139 | CHARACTERIZATION OF ULTRASONIC METAL WELDING BY CORRELATING ONI | S. Shawn Lee | Wayne Cai |
| 2-9 Advancement in Manufacturing Process | | MSEC2014-4159 | A Method to Study Fatigue Life of Ultrasonically Welded Lithium-Ion Battery Tab Joints usin | Wei Li | | |
| 2-9 Advancement in Manufacturing Process | | MSEC2014-4221 | GEOMETRIC PARAMETER OPTIMIZATION IN CUTTING FORCE MODEL FOR DEEP | Haiyan Zhang | | |
| Jun,11 Wed | 8:30-10:00am | (JSME)2-8 Welding/Joining/Particle Deposi | ICMP2014-4909 | Brazing of Aluminum to C/C Composites with Aluminum Coating by Evaporative Deposition | Takahiro Sato | Kazuhiro OGAWA |
| | | (JSME)2-8 Welding/Joining/Particle Deposi | ICMP2014-4914 | Influences of Clamping Force on Fatigue Characteristics of Nonferrous Bolts | Shinji Hashimura | Masahiro |
| | | (JSME)2-8 Welding/Joining/Particle Deposi | ICMP2014-4916 | Joining phenomena and tensile strength of friction welded joint between pure aluminum and p | Masaaki Kimura | FUKUMOTO |
| | 10:30-12:00am | (JSME)2-8 Welding/Joining/Particle Deposi | ICMP2014-4921 | JOINING DIAMOND TO AN FE-42NI PLATE USING ZN-AL SOLDER BY APPLYING U | Kyohei Tada | Masahiro |
| | | (JSME)2-8 Welding/Joining/Particle Deposi | ICMP2014-4961 | Influence of cross sectional shape of cold spray nozzle on spray pattern of copper coatings | Kazuhiko Sakaki | FUKUMOTO |
| | | (JSME)2-8 Welding/Joining/Particle Deposi | ICMP2014-4959 | Deposition mechanism based on numerical simulation for the cold-sprayed Ag coatings on Al | Jingfu ZHANG | Yukio MIYASHITA |
| 1:30-3:00pm | (JSME)2-8 Welding/Joining/Particle Deposi | ICMP2014-4962 | Effect of Nickel Powder Mixing on CoNiCrAlY Coatings by Cold Spray | Kangil LEE | Kazuhiko SAKAKI | |
| | (JSME)2-8 Welding/Joining/Particle Deposi | ICMP2014-5011 | Formation behavior of bubbles and its effect on joining strength in dissimilar materials laser s | Yukio MIYASHITA | Kazuhiro OGAWA | |
| | (JSME)2-8 Welding/Joining/Particle Deposi | ICMP2014-5017 | Domination in Flattening Behavior of Thermally Sprayed Particles | Masahiro FUKUMOTO | | |
| Jun,12 Thu | 10:30-12:00am | (JSME)1-7 Polymer and Polymer Matrix Co | ICMP2014-4912 | Interlaminar Shear Strength of CFRP Using Recycled Carbon Fiber | Yoshinobu Shimamura | Hiroyuki Kawada Shinji Ogihara |
| | | (JSME)1-7 Polymer and Polymer Matrix Co | ICMP2014-4935 | Effect of Long-Term High Temperature Atmospheric Exposure on Damage Progress and Mec | Yoshiyuki Kobayashi | |
| | | (JSME)1-7 Polymer and Polymer Matrix Co | ICMP2014-4997 | Mechanical properties of unidirectional composite using untwisted carbon nanotube yarn as a | Hiroyuki Kawada | |
| | 1:30-3:00pm | (JSME)1-7 Polymer and Polymer Matrix Co | ICMP2014-4944 | Experimental Evaluation of Local Damage in Fiber Reinforced Composite Materials | Yuma Mannami | Hiroyuki Kawada |
| | | (JSME)1-7 Polymer and Polymer Matrix Co | ICMP2014-4945 | Deformation Behavior during Processing in Carbon Fiber Reinforced Plastics | Dai Ito | Kazuaki |
| | | (JSME)1-7 Polymer and Polymer Matrix Co | ICMP2014-4946 | Mechanical Properties in Thermoplastic CFRP Laminates | Koyo Koyanagi | NISHIYABU |
| 3:30-5:00pm | (JSME)1-7 Polymer and Polymer Matrix Co | ICMP2014-4985 | Evaluation of Wear Properties of Industrial Waste (Slag) Reinforced Polyester Composites | Vijaya Kumar Nimmagadda | Hiroyuki Kawada | |
| | (JSME)1-7 Polymer and Polymer Matrix Co | ICMP2014-4943 | MECHANICAL BEHAVIOUR IN QUASI-ISOTROPIC CFRP LAMINATES WITH SMALL | Nurul N. A. H. | Satoshi Kobayashi | |
| Jun,13 Fri | 8:30-10:00am | (JSME)4-1 Monitoring, Sensing, and Contro | ICMP2014-4908 | Characterization of the bond quality of adhesive plates utilizing zero-group-velocity Lamb wa | Hideo Cho | Ikuo Ihara Iwao Matsuya |
| | | (JSME)4-1 Monitoring, Sensing, and Contro | ICMP2014-4911 | Acoustic Resonant Spectroscopy for Detecting the Degradation of Polymer Film Due to Heat | Hironori Tohmyoh | |
| | | (JSME)4-1 Monitoring, Sensing, and Contro | ICMP2014-4963 | Feasibility Study on Ultrasonic In-situ Measurement of Interfacial Temperature in Friction Su | Shingo Aoki | |
| | 10:30-12:00am | (JSME)4-1 Monitoring, Sensing, and Contro | ICMP2014-4971 | Experimental Study on Lateral Displacement Measurement by Air-Coupled Ultrasound for Str | Iwao Matsuya | Ikuo Ihara Hideo Cho |
| | | (JSME)4-1 Monitoring, Sensing, and Contro | ICMP2014-5005 | Evaluation of Heat Resistant Thermal Spray Coating for the Piston | Masashi Sekine | |

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| Date | Time | Session Title | Paper Number | Paper Title | Author | Session Chair |
|---------------|---------------|---|---------------|--|---------------------|---------------------------------------|
| Jun,10 Tue | 10:00-11:30am | (JSME)1-1 Advances in Manufacturing and | ICMP2014-4952 | Microstructure Control of CNF/Aluminum Composites And Effect On Electrical Conductivity | Gen Sasaki | Katsuyoshi Kondoh Yoshimi Watanabe |
| | | (JSME)1-1 Advances in Manufacturing and | ICMP2014-4953 | Dependence of carbon structure on machinability of P/M high strength brass composite with g | Hisashi Imai | |
| | | (JSME)1-1 Advances in Manufacturing and | ICMP2014-4957 | Electrical/Thermal and Mechanical Properties of Powder Metallurgy Al Matrix Composites R | Biao Chen | |
| | 1:30-3:00pm | (JSME)1-1 Advances in Manufacturing and | ICMP2014-5022 | Characterization of a Metal-core Piezoelectric Ceramics Fiber/Aluminum Composite | Tetsuro Yanaseko | Katsuyoshi Kondoh Gen Sasaki |
| | | (JSME)1-1 Advances in Manufacturing and | ICMP2014-5025 | Fabrication of an Aluminum Matrix Piezocomposite Using Hollow Piezoelectric Ceramics Fib | Hiroshi Asanuma | |
| | | (JSME)1-1 Advances in Manufacturing and | ICMP2014-5038 | Tribological Behavior of Dual Matrix Al-CNT Composites | Amal Esawi | |
| | 3:30-5:00pm | (JSME)1-4 Design, Fabrication and Evaluat | ICMP2014-4925 | Effect of Magnetic Field on the Fracture of Cracked Giant Magnetostrictive Materials in Thre | Kotaro Mori | Kazuaki Sanada Seiichi Hata |
| | | (JSME)1-4 Design, Fabrication and Evaluat | ICMP2014-4941 | Maximization of morphologic strengthening effect of dual component elastoplastic solids | Ikumu Watanabe | |
| | | (JSME)1-4 Design, Fabrication and Evaluat | ICMP2014-4948 | Preparation of capsule-type micro actuator using hydrogen storage alloys | Kenta Goto | |
| Jun,11 Wed | 8:30-10:00am | (JSME)1-4 Design, Fabrication and Evaluat | ICMP2014-4964 | Influence of Self-healing Reaction Heat on Shape Recovery Self-healing | Maho Shiozawa | Kazuaki Sanada Kotaro Mori |
| | | (JSME)1-4 Design, Fabrication and Evaluat | ICMP2014-4986 | Studies On The Characteristics Of Epoxy Granite With Varying Resin Content | A Selvakumar | |
| | | (JSME)1-4 Design, Fabrication and Evaluat | ICMP2014-4993 | Effect of microstructure on the thermal conductivity and processability of polymer composites | Kazuaki Sanada | |
| | 10:30-12:00am | (JSME)1-4 Design, Fabrication and Evaluat | ICMP2014-5042 | New Trends in Development of Creep-Limited Alloys for Hotter Energy-Efficient Gas-Turbin | Zainul Huda | Kazuaki Sanada Ikumu Watanabe |
| | | (JSME)1-4 Design, Fabrication and Evaluat | ICMP2014-5027 | Electro-fusion Joining of CF/PPS Composites Using Carbon Fiber Heating Elements | Daiki TANABE | |
| | | (JSME)1-4 Design, Fabrication and Evaluat | ICMP2014-4998 | Bending Fatigue Behavior of Cu-Al-Mn Shape Memory Alloy | Kazuhiro Kitamura | |
| | 1:30-3:00pm | (JSME)2-7 Surface Modification Technolog | ICMP2014-5043 | Analysis of the Bulk Wear Volume of Turning Inserts for Different Carbide Grain Sizes | Mathew Kuttolamadom | Naoto Ohtake Hiroki Akasaka |
| | | (JSME)2-7 Surface Modification Technolog | ICMP2014-5026 | Fabrication of micro segment structured DLC films | Yumi Yoshida | |
| | | (JSME)2-7 Surface Modification Technolog | ICMP2014-5010 | Hardening DLC coatings by cyclic impact load and shot-peening | Fumitake Nonoyama | |
| Jun,12 Thu | 10:30-12:00am | (JSME)2-7 Surface Modification Technolog | ICMP2014-5040 | A Comparison of Dissipative Energy in two different asperity height distributions in Hip Joint | mohammad hodaei | Naoto Ohtake Hiroki Akasaka |
| | | (JSME)2-7 Surface Modification Technolog | ICMP2014-5041 | INVESTIGATION OF ROUGHNESS EFFET ON CONFORMAL CONTACT OF SPINE IM | mohammad hodaei | |
| | | (JSME)2-7 Surface Modification Technolog | ICMP2014-4934 | Some Investigations on Cutting Force, Surface Roughness, and Chip Formation in Turning of | Sadaiah Mudigonda | |
| | 1:30-3:00pm | (JSME)2-7 Surface Modification Technolog | ICMP2014-5013 | Ultra-low friction properties of Ta-CN _x coatings in the atmosphere | Takafumi Hattori | Naoto Ohtake Hiroki Akasaka |
| | | (JSME)2-7 Surface Modification Technolog | ICMP2014-4954 | Evaluation of the Effects of Carburizing Treatment on Spring Production Process | Minoru Jimma | |
| | | (JSME)2-7 Surface Modification Technolog | ICMP2014-4960 | The Clarification Of The Relationship Between Transfer Layer, Transformed Layer And Frict | Hidenori Nishimura | |
| | 3:30-5:00pm | (JSME)2-7 Surface Modification Technolog | ICMP2014-4972 | Preparation and Mechanical Characterization of Amorphous Boron Carbon Nitride Films | Shahira Liza Kamis | Naoto Ohtake Kazunari Shinagawa |
| | | (JSME)2-3 Advanced Powder Processing Te | ICMP2014-4937 | Effects of Heating History on Sintering Properties of Nickel Powder Compacts | Kazunari Shinagawa | |
| | | (JSME)2-3 Advanced Powder Processing Te | ICMP2014-5021 | Shape Memory Characteristics of Ti-Nb-Cu Alloy Fabricated by PM Process | Hideki Kyogoku | |
| Jun,13 Fri | 8:30-10:00am | 2-4-2 Advances in Nontraditional Manufac | MSEC2014-3992 | AN INVESTIGATION OF THE EFFECT OF NITROGEN PHASE ON CRYOGENIC MAC | Franci Pusavec | Franci Pusavec |
| | | 2-4-2 Advances in Nontraditional Manufac | MSEC2014-4138 | SINGLE POINT DIAMOND TURNING OF SILICON USING MICRO-LASER ASSISTED | Hossein Mohammadi | |
| | | 2-4-2 Advances in Nontraditional Manufac | MSEC2014-4151 | Investigation of Trochoidal Milling in Nickel-based Superalloy Inconel 738 and Comparison v | Abram Pleta | |
| | 10:30-12:00am | 4-1-4 Concurrent Design of Products, Asse | MSEC2014-3906 | Application of System Learning to Precedence Graph Generation for Assembly Line Balancin | Kavit R. Antani | John Wang |
| | | 4-1-4 Concurrent Design of Products, Asse | MSEC2014-3974 | Methodology for the Parametric Exploration of Production Planning's Impact on the Early Sta | Dennis J.L. Siedlak | |
| | | 4-1-4 Concurrent Design of Products, Asse | MSEC2014-4100 | Concurrent Design Of Assembly Plans And Supply Chain Configurations Using AND/OR Gra | Heng Kuang | |

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| Date | Time | Session Title | Paper Number | Paper Title | Author | Session Chair |
|---|---|---|--|--|---------------------|---------------------------------------|
| Jun,10 Tue | 10:00-11:30am | (JSME)2-6 Forming and Joining of Traditio | ICMP2014-4913 | Galvanic Corrosion of Mechanical Fastener Joint of CFRP / Aluminum Alloys and CFRP / Ti | Toshi-Taka Ikeshoji | Masaaki Otsu Satoshi Kishimoto |
| | | (JSME)2-6 Forming and Joining of Traditio | ICMP2014-5016 | Development of drilling process for CFRP using electric discharge | Ryota Takamura | |
| | | (JSME)2-6 Forming and Joining of Traditio | ICMP2014-5014 | Finite Element Analyses of Conventional Single Point Incremental Forming and Friction Stir I | Masaaki Otsu | |
| | 1:30-3:00pm | (JSME)2-6 Forming and Joining of Traditio | ICMP2014-5036 | Experimental Study on Anisotropy of Free Surface Roughening Behavior for Metal Sheets in U | Tsuyoshi Furushima | Masaaki Otsu Hidetoshi Kobayashi |
| | | (JSME)2-6 Forming and Joining of Traditio | ICMP2014-4924 | Effects of folding numbers, scoring depth and bending velocity on bending-moment relaxation | Shigeru Nagasawa | |
| | | (JSME)1-5 Dynamic Behavior of Materials | ICMP2014-4973 | Strain Rate Sensitivity and Material Anisotropy of Additive Manufactured AISI 630 Stainless | Tyler LeBrun | |
| | 3:30-5:00pm | (JSME)1-5 Dynamic Behavior of Materials | ICMP2014-4994 | Dynamic strength of joints bonded with acrylate adhesive | Masato Katano | Hidetoshi Kobayashi Kinya Ogawa |
| (JSME)1-5 Dynamic Behavior of Materials | | ICMP2014-5012 | Geometric Features of MnS Grains in Damaged Free-Cutting Steel SUM24L by Fatigue and D | Masaaki Itabashi | | |
| (JSME)1-5 Dynamic Behavior of Materials | | ICMP2014-5045 | Dynamic simulations of projectile penetration into granular medium | Kinya Ogawa | | |
| Jun,11 Wed | 8:30-10:00am | (JSME)1-2 Ceramics and Ceramic Matrix C | ICMP2014-4923 | Crack Formation during Sintering of Alumina Ceramic Laminates | Kouichi Yasuda | Shuichi Wakayama Masaaki Itabashi |
| | | (JSME)1-2 Ceramics and Ceramic Matrix C | ICMP2014-4949 | Experimental Approach to the Thermal Shock Fracture in Ceramics | Shuichi Wakayama | |
| | | (JSME)1-2 Ceramics and Ceramic Matrix C | ICMP2014-5000 | Quantitation of the usefulness of self-healing under crack propagation | Shosei MIYAMOTO | |
| | 10:30-12:00am | (JSME)1-2 Ceramics and Ceramic Matrix C | ICMP2014-5020 | Mechanical properties of continuous fiber reinforced self-healing ceramics at elevated temper | Daisuke Maruoka | Shuichi Wakayama Satoshi Kishimoto |
| | | (JSME)1-6 Novel Porous Materials and thei | ICMP2014-4928 | Fabrication of Open-Celled Microcellular Nickel Foams Using Electroplating of Polymer Mic | Wei Li | |
| | (JSME)1-6 Novel Porous Materials and thei | ICMP2014-4930 | Mechanical and physical properties of spheroidal cellular structural materials | Satoshi Kishimoto | | |
| | 1:30-3:00pm | (JSME)3-1 Creation and Applications of Mi | ICMP2014-4983 | The effect of metal buffer layers on open-circuit voltage of thin-film thermoelectric modules | Mizue Mizoshiri | Satoshi Kishimoto Seiichi Hata |
| (JSME)3-1 Creation and Applications of Mi | | ICMP2014-4996 | New fabrication method of MEMS thick film mirror device of Cu-Zr-Ti metallic glass | Shigetaka Watanabe | | |
| (JSME)3-1 Creation and Applications of Mi | | ICMP2014-5028 | Combinatorial search for magnetostrictive material with high permeability and high resistivity | Takuya Maetani | | |
| Jun,12 Thu | 10:30-12:00am | (JSME)2-2 Advanced Fabrication Process | ICMP2014-5031 | Fabrication of Micro-channel from the powder by pulse electric current sintering method | Satoshi Kishimoto | Seiichi Hata Masaaki Otsu |
| | | (JSME)2-2 Advanced Fabrication Process | ICMP2014-5039 | THE EFFECT OF GLASSY-TRANSITION TEMPERATURE AND MELTING POINT AFF | Motoyuki MURASHIMA | |
| | | (JSME)2-2 Advanced Fabrication Process | ICMP2014-4932 | Flow Control by Progressive Forecasting Using Numerical Simulation During Resin Transfer | Ryosuke Matsuzaki | |
| | 1:30-3:00pm | (JSME)2-2 Advanced Fabrication Process | ICMP2014-4975 | Cold roll forming of circular tube section of wrought magnesium alloy sheet | Watari Hisaki | Seiichi Hata Masaaki Otsu |
| | | (JSME)2-1 Advanced Casting and Semisolid | ICMP2014-4906 | Properties Of Roll Cast Aluminum Alloy For Casting | Haga Toshio | |
| | | (JSME)2-1 Advanced Casting and Semisolid | ICMP2014-5003 | Aluminum alloy clad strip casting using a twin roll caster | Haga Toshio | |
| | 3:30-5:00pm | (JSME)2-1 Advanced Casting and Semisolid | ICMP2014-4974 | Cladding of aluminum and magnesium alloys by using horizontal twin roll casting process | Watari Hisaki | Toshio Haga Masaaki Otsu |
| (JSME)2-1 Advanced Casting and Semisolid | | ICMP2014-4992 | Sheet Metal Fabrication of Magnesium Alloy with High Aluminum Content using Twin-roll C | Watari Hisaki | | |
| Jun,13 Fri | 8:30-10:00am | 3-1-3 session 3 - simulation | MSEC2014-3986 | Analysis of the micro/meso scale sheet forming by strain gradient plasticity and its characteriz | Linfa Peng | Cheryl Xu |
| | | 3-1-3 session 3 - simulation | MSEC2014-4085 | AFM-Based Nanomachining: 3D Molecular Dynamics Simulation and Experimental Verificat | Rapeepan Promyoo | |
| | | 3-1-3 session 3 - simulation | MSEC2014-4168 | Wedge Radius Effects in Mechanical Exfoliation of HOPG: A Molecular Simulation Study | Sathyan Subbiah | |
| | 10:30-12:00am | 3-1-7 session 7 - laser | MSEC2014-3958 | Magnetic field assisted nanomanufacturing of metal oxide nanomaterials | Dong Lin | Cheryl Xu |
| | | 3-1-7 session 7 - laser | MSEC2014-4067 | Fabrication and Tribological Functions of Micro Dent Arrays on Ti-6Al-4V Surface by Laser | Y.B. Guo | |
| | | 3-1-7 session 7 - laser | MSEC2014-4142 | Multi-Material Capability of Laser Induced Plasma Micro-Machining | Ishan Saxena | |

Cobo Center 415A

| Date | Time | Session Title | Paper Number | Paper Title | Author | Session Chair |
|---------------|---------------|---|---------------|---|---------------------------|--|
| Jun,10 Tue | 10:00-11:30am | (JSME)3-2 Micro/Nano Scale Fabrication P | ICMP2014-4907 | Experimental and Numerical Investigations of Micro Sheet Hydroforming of Stainless Steel Fo | Hideki Sato | Yasunori Saotome Ming Yang |
| | | (JSME)3-2 Micro/Nano Scale Fabrication P | ICMP2014-4910 | Finite Element Analysis of Springback Behavior in Resistance Heating Assisted Micro Bendin | Qiu Zheng | |
| | | (JSME)3-2 Micro/Nano Scale Fabrication P | ICMP2014-4917 | The low temperature bonding of the diamond using a nano particle of silver | Naoto Tanaka | |
| | 1:30-3:00pm | (JSME)3-2 Micro/Nano Scale Fabrication P | ICMP2014-4926 | Scalable Laser Nanomanufacturing of Patterned Metallic Structures | Yaowu Hu | Ming Yang Seiichi Hata |
| | | (JSME)3-2 Micro/Nano Scale Fabrication P | ICMP2014-4982 | Mechanical Properties of Ni-Alloy Thin Films Fabricated by LIGA Process | Yasunori Saotome | |
| | | (JSME)3-2 Micro/Nano Scale Fabrication P | ICMP2014-4989 | Development of a nano structured foil mold for the templated thermal dewetting of a nano dot | Masahiko Yoshino | |
| | 3:30-5:00pm | (JSME)3-2 Micro/Nano Scale Fabrication P | ICMP2014-5015 | Effect of Ultrasonic Vibration on Stress Relaxation in Micro-Compression Test with Step Mo | Ryo Yamaguchi | Masaaki Otsu Yasunori Saotome |
| | | (JSME)3-2 Micro/Nano Scale Fabrication P | ICMP2014-5019 | Development of a dry process for coating metal nanoparticles on carbon nanotubes | Yoshinori BAMBBA | |
| | | | | | | |
| Jun,11 Wed | 8:30-10:00am | (JSME)1-3 Cutting-Edge Technologies and | ICMP2014-4938 | Shape Memory Gel Having Inter-Crosslinking Network Structure | Jin Gong | Hidemitsu Furukawa Go Murasawa |
| | | (JSME)1-3 Cutting-Edge Technologies and | ICMP2014-4939 | Creation of the Food Ink Applicable in a 3D Food Printer | Jin Gong | |
| | | (JSME)1-3 Cutting-Edge Technologies and | ICMP2014-4950 | Mechanical properties of polymeric shape memory hydrogel | Md. Hasnat Kabir | |
| | 10:30-12:00am | (JSME)1-3 Cutting-Edge Technologies and | ICMP2014-5008 | Fabrication of Poly(vinylidene fluoride) Film Using Drop & Dry Method and Application to P | Noriyasu Yamada | Hidemitsu Furukawa Toshinori Makuta |
| | | (JSME)1-3 Cutting-Edge Technologies and | ICMP2014-5024 | Frictional Measurement of Gel Engineering Materials with Laser Processed Surface | Naoya Yamada | |
| | | (JSME)1-3 Cutting-Edge Technologies and | ICMP2014-5035 | DESIGN OF REALISTIC EYE MODEL WITH SMART SHAPE MEMORY GEL (SMG) | Yosuke Watanabe | |
| | 1:30-3:00pm | (JSME)1-3 Cutting-Edge Technologies and | ICMP2014-4904 | Gravitational Tempering in Colloidal Epitaxy | Sho Kawakami | Hidemitsu Furukawa Md. Hasnat Kabir |
| | | (JSME)1-3 Cutting-Edge Technologies and | ICMP2014-4933 | Simulation of Particle Dispersion in Tube under Gravity Field | Masato Makino | |
| | | | | | | |
| Jun,12 Thu | 10:30-12:00am | (JSME)2-5 Advances in Manufacturing Pro | ICMP2014-4902 | Traction Force Exerted by Individual Fibroblasts or Cardiomyocytes in Collagen gels | Zhonggang Feng | Yasuyuki Shiraishi Zhonggang Feng |
| | | (JSME)2-5 Advances in Manufacturing Pro | ICMP2014-4936 | Effect of Surface Modification on Bioactivity of Bioactive Ceramics | Satoshi Kobayashi | |
| | | (JSME)2-5 Advances in Manufacturing Pro | ICMP2014-4955 | Novel Method to Explore the Mechanical Inhomogeneity of Human Osteoblast Nucleus and It | Tadashi Kosawada | |
| | 1:30-3:00pm | (JSME)2-5 Advances in Manufacturing Pro | ICMP2014-4977 | Ultrasonic vibration assisted grinding of bio-ceramics: an experimental study on chippings by | Zhichao Li | Zhonggang Feng Tadashi Kosawada |
| | | (JSME)2-5 Advances in Manufacturing Pro | ICMP2014-4999 | Bioengineering Design of an Artificial Myocardial Assist Device Using Shape Memory Alloy | Yasuyuki Shiraishi | |
| | | (JSME)2-5 Advances in Manufacturing Pro | ICMP2014-5001 | Mechanical Properties of Bio-Hydrogel From Cardiac Extracellular Matrix | Kyohei Fujita | |
| | 3:30-5:00pm | (JSME)2-5 Advances in Manufacturing Pro | ICMP2014-5004 | Effect of simulated body fluid (SBF) immersion on delamination behavior of Plasma-sprayed | Yuichi OTSUKA | Zhonggang Feng Satoshi Kobayashi |
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| Jun,13 Fri | 8:30-10:00am | 3-1-4 session 4 - simulation | MSEC2014-4106 | Modeling and Study of electrode profiles in Pulsed Micro Electrochemical Machining Process | Murali M. Sundaram | Cheryl Xu |
| | | 3-1-4 session 4 - simulation | MSEC2014-4108 | Modeling of Melt-pool Formation and Material Removal in Micro Electro-discharge Machinin | Shiv Kapoor | |
| | | 3-1-4 session 4 - simulation | MSEC2014-4157 | Analysis of Debris Motion in Vibration Assisted Reverse Micro Electrical Discharge Machini | SACHIN MASTUD | |
| | 10:30-12:00am | 3-1-5 session 5 - simulation | MSEC2014-4158 | FABRICATION OF TAPERED BIO MIMETIC CILIA USING BULK LITHOGRAPHY AN | Chandrashekar Adake | Cheryl Xu |
| | | 4-1-5 Concurrent Design of Products and M | MSEC2014-3936 | X-abilities and attributes based decision making in evaluation and selection of turbine blade m | Phaneendra Kiran Chaganti | |
| | | 4-1-5 Concurrent Design of Products and M | MSEC2014-4143 | automatic detection of directions of dimensional control in Mechanical parts | Payam Haghighi | |

Cobo Center 415B

| Date | Time | Session Title | Paper Number | Paper Title | Author | Session chair |
|---------------|---------------|---|---------------|---|----------------|---------------|
| Jun,10 Tue | 10:00-11:30am | MII Meeting(Robert Ivester host) | | | | |
| | 1:30-3:00pm | | | | | |
| | 3:30-5:00pm | | | | | |
| Jun,11 Wed | 8:30-10:00am | Student Design Competition | | Student Design Competition | | |
| | 10:30-12:00am | Student Design Competition | | Student Design Competition | | |
| | 1:30-3:00pm | Student Design Competition | | Student Design Competition | | |
| Jun,12 Thu | 10:30-12:00am | 4-9-1 Sensing, Control and Optimization | MSEC2014-4017 | HIGH-DEFINITION METROLOGY ENABLED SURFACE VARIATION CONTROL BY F | Hui Wang | Radu Pavel |
| | | 4-9-1 Sensing, Control and Optimization | MSEC2014-4145 | Multi-Objective Particle Swarm Optimization of Machining Parameters for End Milling Titan | Durul Ulutan | |
| | | 4-9-1 Sensing, Control and Optimization | MSEC2014-4058 | A STUDY ON CONDITION MONITORING AND DIAGNOSIS OF INJECTION MOLDING | Sangwon Lee | |
| | 1:30-3:00pm | 3-1-8 session 8 - micromachining | MSEC2014-4124 | EXPERIMENTAL STUDY ON MICRO END-MILLING PROCESS OF Ti-6Al-4V USING I | Sangwon Lee | Cheryl Xu |
| | | 3-1-8 session 8 - micromachining | MSEC2014-4062 | A Low-cost and High-resolution Micro Machine Tool with Toggle-based Mechanism | Shih-ming Wang | |
| | | 3-1-8 session 8 - micromachining | MSEC2014-4087 | Investigation of PZT/Si Wafer Micro Milling using Diamond Coated Tool | Ming-chyuan Lu | |
| 3:30-5:00pm | | | | | | |
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| Jun,13 Fri | 8:30-10:00am | | | | | |
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| 10:30-12:00am | | | | | | |
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Cobo Center 320

| Date | Time | Session Title | Paper Number | Paper Title | Author | Session hair | |
|---------------|---------------|--|--------------|-------------|--------|--------------|--|
| Jun,10 Tue | 10:00-11:30am | | | | | | |
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| | 1:30-3:00pm | | | | | | |
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| Jun,11 Wed | 8:30-10:00am | | | | | | |
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| | 10:30-12:00am | | | | | | |
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| Jun,12 Thu | 1:30-3:00pm | Wu Symposium -- Policy and Competitiveness study | | | | | |
| | | Wu Symposium -- Education | | | | | |
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| | 10:30-12:00am | | | | | | |
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| Jun,13 Fri | 8:30-10:00am | | | | | | |
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| | 10:30-12:00am | | | | | | |
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Cobo Center 140B

| Date | Time | Session Title | Paper Number | Paper Title | Author | Session Chair |
|--------|----------|---|---------------|--|-------------------|---------------|
| Jun-10 | 10am | 2-4 Advances in Additive Manufacturing(JS | ICMP2014-4979 | ROBUST CONTROL SYNTHESIS ON LASER CLADDING FOR DIRECT MANUFACTU | MEZARI Rezak | Toru Shimizu |
| | 10:30 | 2-4 Advances in Additive Manufacturing(JS | ICMP2014-4987 | Build Strategies for 3D Heterogeneous Object in Additive Manufacturing | Bashir Khoda | |
| | 11am | 2-4 Advances in Additive Manufacturing(JS | ICMP2014-5034 | Tunable plasmonic filters using laser polymerized 3D micro-springs | Hiroaki Nishiyama | |
| Jun-10 | 2 - 3 pm | 2-6 Advances in Additive Manufacturing | | Keynote by Prof. Fu(60min) | | Yong Huang |
| | | | | | | |
| | 3pm | 2-6 Advances in Additive Manufacturing | MSEC2014-3901 | Review on phase field modeling of microstructure evolutions: application to electron beam ad | Seshadev Sahoo | |
| | 3:30pm | 2-6 Advances in Additive Manufacturing | MSEC2014-3960 | COMPOSITION OPTIMIZATION FOR FUNCTIONALLY GRADIENT PARTS CONSIDER | Amir Ghazanfari | |
| | 4pm | 2-6 Advances in Additive Manufacturing | MSEC2014-4009 | A NOVEL MULTI-MATERIAL ADDITIVE MANUFACTURING TECHNIQUE FOR FAB | Johnson Samuel | |
| Jun-11 | 10am | Additive Manufacturing | NAMRC42-4402 | EFFICIENT STRATEGIES FOR HOLLOWING OF PARTS IN RAPID PROTOTYPING | S. S. PANDE | Sam Anand |
| | 10:30am | Additive Manufacturing | NAMRC42-4476 | Drop-on-Demand E-Jet Printing of Continuous Features with AC-Pulse Modulation on Highly | Jingyan Dong | |
| | 11am | Additive Manufacturing | NAMRC42-4504 | (Student Paper Presentation Award) Multi-Physics Modeling for Laser Micro Transfer Printin | Ala'a Al-okaily | |
| | 11:30am | Bio-manufacturing | NAMRC42-4484 | Additive Manufacturing of Personalized Ankle-Foot Orthosis | Roland Chen | |
| Jun-11 | 2pm | 2-6 Advances in Additive Manufacturing | MSEC2014-4055 | Deformation Control Based on In-Situ Sensors for Mask Projection Based Stereolithography | Yong Chen | Brandon Lane |
| | 2:30pm | 2-6 Advances in Additive Manufacturing | MSEC2014-4063 | Thermomechanical Investigation of Overhang Fabrications In Electron Beam Additive Manuf | Kevin Chou | |