



# **Materials, Manufacturing Engineering and Information Technology**

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**Edited by**  
**B. Xu and H.Y. Li**



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# **Materials, Manufacturing Engineering and Information Technology**

Selected, peer reviewed papers from the  
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Advanced Composite Materials and Manufacturing Engineering  
(CMME 2014),  
March 22-23, 2014, Wuhan, China

*Edited by*

**B. Xu and H.Y. Li**



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## Preface

2014 2nd International conference on Advanced Composite Materials and Manufacturing Engineering (CMME2014) is a conference mainly focusing its center on Materials, Manufacturing Engineering and Information Technology. The objective of the conference is to provide a forum for different researchers in different fields especially in Material field to exchange their different findings. The researchers are from different countries and in different professionals. The conference will bring all the researchers from all around the world together to share their new findings, thus to promote academic exchanging.

All the papers accepted had been passed the strict peer-review course before their publication by TTP. Here, we should show our sincere thanks to all authors for their high-quality papers and their careful presentations in the conference. At the same time, all reviewers should be thanked too for their careful work. In addition, all sponsors and all team members of TTP should be especially thanked too for their hard work and careful edition on CMME2014.

It's the joint efforts of all different parts that they makes our conference be successful.

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# Table of Contents

Preface	v
Committees and Sponsors	vi

## Chapter 1: Material Science

<b>Bottom-Up Fabrication of Optical Metamaterials</b> W. Zhao.....	3
<b>Co<sub>3</sub>O<sub>4</sub> Nanoparticles Prepared by Precipitation</b> M.T. Li, Q.S. Fu, R.S. Yang and H. Wang.....	7
<b>The Effect of Temperature on the NiCu Coating Prepared by Electroplating</b> R.S. Yang, Q.S. Fu, M.T. Li and Y.Z. Jin .....	11
<b>The Influence of pH Value on the NiCu Coating Synthesized by Electroplating</b> R.S. Yang, H. Wang and C.H. Liu.....	15
<b>Preparation and Properties of Alcohol-Soluble Acrylate Adhesive</b> H. Fang, M.T. Li and Y. Wang.....	19
<b>Preparation and Properties of Porous Hydroxyapatite Ceramics by Three Dimensional Stacking with Homogeneous Fibers</b> L.F. Liang, J.J. Chen, Y. He and D.Y. Li .....	23
<b>Corrosion Behavior of Phosphate Conversion Coating on AZ31 Mg Alloy in 3.5% NaCl Solution</b> X.J. Cui, C.H. Liu, R.S. Yang, M.T. Li and X.Z. Lin .....	27
<b>Flammability and Thermal Degradation of PMMA/Graphene Composites</b> Z.Z. Wang, S.H. Xu, L.X. Wu and D.X. Zhuo .....	31
<b>AE Characterization of Cracking Mode in Sandstone Uniaxial and Brazilian Tests</b> X.H. Zhang, D.C. Liu and X.L. Ren .....	35
<b>Early Effect for 28nm HK/MG PMOSFETs after Post Deposition Annealing Treatment</b> W.D. Lee and M.C. Wang .....	40
<b>Threshold Voltage Adjustment for 28nm HfO<sub>x</sub>/ZrO<sub>x</sub>/HfO<sub>x</sub> Gate Dielectric of nMOSFETs Using DPN Process with Annealing Temperatures</b> W.D. Lee and M.C. Wang .....	44
<b>Influence of Structural Relaxation on Compressive Plasticity of Zr<sub>64.13</sub>Cu<sub>15.75</sub>Ni<sub>10.12</sub>Al<sub>10</sub> Bulk Metallic Glass</b> J.S. Gu and H.F. Bo .....	48
<b>Preparation and Analyzing Character of Chitosan Block in Fluffy Meshwork Shape Formed from Chitosan Fine Hair</b> L.F. Liang, J.J. Chen, Y. He and Y.Q. Wang .....	53
<b>Deep Desulfurization of Diesel Fuel Oxidized with TBHP Coupled with Solvent Extraction Intensified by Ultrasound</b> G.X. Yu, Q. Zhong, M. Jin, J.H. Wang and P. Lu .....	57

<b>An Orthogonal Experimental Analysis of WEDM-HS of Al<sub>2</sub>O<sub>3</sub> Particle-Reinforced Aluminum Alloy 6061 with 10-Vol% Al<sub>2</sub>O<sub>3</sub></b>	61
J.W. Liu and Y.Z. Wu .....	
<b>Research on Biological Materials for the Preferred of the Chlorophyll Content Gray GM (1,1) Prediction Models Based on the Different Light</b>	65
L. Zhao, Z.M. Qiu, P.J. Mao and G.Y. Deng .....	
<b>Toughening of Epoxy Resin Modified with <i>In Situ</i> Polymerized Acrylate Copolymer</b>	70
T. Wang, J. Wang and B. Zhang .....	
<b>Study on Elastic Modulus of Porous Ti Coatings by Three-Point Bending and Indentation Measurement</b>	74
Q.S. Fu, R.S. Yang and M.T. Li .....	
<b>Evaluation of Acoustic Characteristics for Various Composite Ventilation Material by Using Impedance Tube</b>	78
Y.C. Liu, J.H. Huang, C.H. Huang, H.C. Her and Y.C. Chuang .....	
<b>Effect of Vermiculite and Bulk Density in the PU Foam Composite Board for the Absorption Coefficient and Acoustic Impedance</b>	82
Y.C. Liu, J.H. Huang, C.H. Huang, M.H. Tsai and Y.C. Chuang .....	
<b>Low-Phosphorus Electroless Nickel-Coated Carbon Fibers</b>	86
W. Chen, J. Wang, J.P. Wang and X.L. Yang .....	
<b>Experimental and Theoretical Investigation of Flexure Behavior and Failure Mode of Filament-Wound Composite Tube</b>	90
J.P. Wang, J. Wang, W. Chen, Y. Ye and X.L. Yang .....	
<b>Experimental Research on Rheological Properties of Slick Water Mixed with CO<sub>2</sub> System</b>	95
X.R. Luo, S.Z. Wang, Z.F. Jing and Z.G. Wang .....	
<b>Preparation and Properties of BR/SBR Blends Using Surface-Modified Nano Zinc Oxide</b>	101
J.Y. Qi, L.X. Wu and D.X. Zhuo .....	
<b>Effects of Fiber Component on Tensile Properties of Composites</b>	105
S.S. Liu, W. Tian and C.Y. Zhu .....	
<b>Recovery of Metal Values from Low-Grade Heterogenite with Reductive Ammonia Leaching Method</b>	110
B. Yang, M.G. Fan, L.Y. Li, B. Li, S.M. Xu, X.J. Wang and X. Liu .....	
<b>Study on Milling Force of High Volume Fraction SiCp/Al Composites with Ultrasonic Longitudinal and Torsional Vibration High Speed Milling</b>	114
D.H. Xiang, G.B. Yang, S. Liang, Y.F. Wang and Q. Qin .....	
<b>Vanadium &amp; Titanium's Effects on High Strength Weathering Steel's Impact Toughness in CGHAZ</b>	118
D.D. Li, T. Zhang, J.Y. Liu and J. Li .....	
<b>Simulation of Fixed Bed Reactor for the Dehydration Reaction from Alcohol Gas to Ethylene</b>	122
Y.T. Song and M.Y. Dang .....	
<b>Mechanical Property for the Combining Yarn of BF/GF and Polypropylene</b>	127
S.S. Liu, W. Tian and C.Y. Zhu .....	

---

<b>Influence of Strain Gauge Bonding-Process on Measurement Data Accuracy of Composite Material Structure</b>	132
J. Zuo and J.F. Zhang .....	
<b>Selection and Evaluation of Potential Probiotic Lactic Acid Bacteria and Bifidobacteria Isolated from Human Intestinal Tract</b>	137
C.H. Xue, L.W. Zhang, H.B. Li and S.M. Wang.....	
<b>Research on Food Manufacturing with S-Layer Protein of Selected <i>Lactobacillus</i> is Responsible for Competitive Exclusion against Human Enteropathogens</b>	141
C.H. Xue, L.W. Zhang, H.B. Li and S.M. Wang.....	
<b>Braided Bone Scaffolds Made by Braiding Polyvinyl Alcohol and Cross-Linked by Glutaraldehyde: Manufacturing Process and Structure Evaluation</b>	145
C.W. Lou, S.T. Kuo, S.P. Wen and J.H. Lin .....	
<b>Effects of Forming Temperature on Structure and Chemical Properties of Calcium Phosphate Cement</b>	149
C.W. Lou, Y.Y. Chang, M.C. Sie, W.C. Chen and J.H. Lin.....	
<b>Manufacturing and Mechanical Property Evaluations of CF/PLA Biocomposites</b>	153
C.W. Lou, J.M. Liao, Z.L. Lin and J.H. Lin .....	
<b>Manufacturing Technique and Property Evaluations of PET/Gelatin Composite Tubular Braids</b>	157
C.W. Lou, P.C. Lu, J.J. Hu and J.H. Lin.....	
<b>Manufacturing Technique and Property Evaluations of Sandwich-Structured Nonwoven Composites</b>	161
C.W. Lou, P.C. Lu, Y.H. Shih, H.M. Yeh and J.H. Lin .....	
<b>Manufacturing Technique and Property Evaluations of Tubular PLA/Spandex/Gelatin Composite Braids</b>	165
C.W. Lou, P.C. Lu, J.J. Hu, S.W. Fu and J.H. Lin .....	
<b>Manufacturing Technique and Stab-Resistance Evaluation of Three-Dimensional Nylon 6/LPET Compound Nonwoven Fabrics</b>	170
C.W. Lou, P.C. Lu, H.M. Yeh and J.H. Lin .....	
<b>Processing Technique and Impact Resistance of Kevlar/FPET/LPET Protective Nonwoven Fabrics</b>	174
C.W. Lou, S.Y. Huang and J.H. Lin .....	
<b>Processing Technique and Property Evaluations of Chitosan Dressings</b>	178
C.W. Lou, Z.H. Wu and J.H. Lin.....	
<b>Property Evaluation of Polyester/Cotton Woven Fabrics Made with Stainless Steel Weft Yarns</b>	182
C.W. Lou, Y.J. Chang, B.C. Shiu, M.C. Sie and J.H. Lin .....	
<b>Study on Efficacy of Various Solvents and Extractions on Repelling <i>Forcipomyia taiwana</i></b>	186
C.W. Lou, C.T. Lu, M.C. Sie and J.H. Lin .....	
<b>Tencel®/Low-Melting-Point Polylactic Acid Composite Nonwoven Fabrics: Manufacturing Technique and Property Evaluations</b>	190
C.W. Lou, M.C. Lin and J.H. Lin .....	
<b>Study of Mechanical, Electromagnetic, and Crystalline Properties of PP/SEBS/GNs Nano-Composites</b>	194
J.H. Lin, X.M. Song, C.L. Huang and C.W. Lou.....	

<b>Interference on Measuring SO<sub>2</sub> Concentration of the Monodispersion Soot Position Using NDIR</b>	198
Y.J. Zhao, C.B. Gao and B. Qu.....	
<b>Wicking Behavior and Physical Property of the Environment-Protective of Nonwoven Fabrics</b>	202
J.H. Lin, M.C. Lin, A.P. Chen and C.W. Lou.....	
<b>Manufacture Technique and Mechanical Properties of Kevlar/PET Composite Fabrics</b>	206
J.H. Lin, M.C. Lin, A.P. Chen and C.W. Lou.....	
<b>Electromagnetic Shielding Effectiveness of Physical Property PET/Stainless Steel Composite Fabrics</b>	210
J.H. Lin, T.A. Lin, A.P. Chen and C.W. Lou.....	
<b>Using a Hollow Braiding Technique to Prepare 316L Stainless Steel Braids as Coronary Stents</b>	214
J.H. Lin, S.P. Wen, C.W. Lou and K.C. Ueng.....	
<b>Resilience Property of Spacer Fabric Compounded PU Foam Composites</b>	218
J.H. Lin, T.T. Li, Y.C. Chuang, C.H. Huang and C.W. Lou .....	
<b>Preparation and Sound Absorption Evaluation of PET/Kevlar/PU Foam Composite Boards</b>	222
J.H. Lin, C.H. Huang, Y.C. Chuang and C.W. Lou.....	
<b>Preparation and Property Evaluations of Polyvinyl Alcohol (PVA)/Graphene Nanosheets (GNs) Composite Nanofibrous Mats by Using Electrospinning</b>	226
J.H. Lin, K.C. Chiang, C.L. Huang and C.W. Lou .....	
<b>Nonwoven Fabrics Made by Using Recycled Polyester Fiber to Reinforce Low-Melting-Point Polylactide: Processing Technique and Property Evaluation</b>	230
J.H. Lin, Y.H. Shih, C.W. Lin and C.W. Lou.....	
<b>Mechanical and Puncture Resistance Property of Inflaming-Retarding Fiber Composite</b>	234
J.H. Lin, T.T. Li, Y.H. Hsu, Y.H. Shih and C.W. Lou .....	
<b>Manufacturing Techniques and Functional Properties of the Bamboo Charcoal/Antibacterial/Stainless Steel Metal Composite Woven Fabric</b>	238
J.H. Lin, Z.C. Yu, J.F. Zhang and C.W. Lou.....	
<b>Manufacturing Technique and Property Evaluations of Three-Dimensional Fabric/Foam Composites</b>	242
J.H. Lin, C.W. Li and C.W. Lou .....	
<b>Manufacturing Technique and Mechanical Property Evaluations of Polypropylene/Short Coir/Short Glass Fiber Wood Plastic Composites</b>	246
J.H. Lin, Z.L. Lin, J.M. Chen, C.C. Fan and C.W. Lou.....	
<b>Manufacturing Technique and Interfacial Modification of Polypropylene/Short Glass Fiber Composites</b>	250
J.H. Lin, Z.L. Lin, J.M. Chen and C.W. Lou .....	
<b>Manufacturing and Mechanical Evaluation of HRBP/PPTA Intra-Ply Hybrid Nonwovens for Protecting Cushioning Composites</b>	254
J.H. Lin, R.S. Yan, R. Wang, C. Wang and C.W. Lou .....	

---

<b>Evaluation of Static Impact Resistance in Nonwovens/Glass Plain Fabric Sandwich Structural Hybrid Laminates</b>	258
J.H. Lin, R.S. Yan, R. Wang, C. Wang and C.W. Lou .....	
<b>Electromagnetic Shielding Effectiveness and Manufacture Technique of Functional Metal Composite Knitted Fabrics</b>	262
J.H. Lin, Z.C. Yu, J.F. Zhang and C.W. Lou .....	
<b>Effects of Needle-Punch Depth on Properties of PET/LPET/Kevlar Nonwoven Geotextiles</b>	266
J.H. Lin, J.C. Hsieh, J.H. Li, W.H. Hsing and C.W. Lou .....	
<b>Effects of Foam Density and Content on Puncture Resistance and Cushioning Properties of PU/Vermiculite Foam Composites</b>	270
J.H. Lin, T.T. Li, Y.C. Chuang, C.H. Huang and C.W. Lou .....	
<b>Compression Behaviors of Stainless Steel Braided Coronary Stents and Polyvinyl Alcohol/Stainless Steel Braided Coronary Stents</b>	274
J.H. Lin, S.P. Wen, C.W. Lou and K.C. Ueng .....	
<b>The Influence of Hot Pressing Temperatures in Needle Punching Nonwoven</b>	279
C.W. Lou, Y.L. Hsing, W.H. Hsing and J.H. Lin.....	

## Chapter 2: Applied Mechanics

<b>A Cyclic Constitutive Model for Metallic Foam</b>	285
Y.J. Liu and B. Qiang .....	
<b>Numerical Research on the Gravity Dam Deep Anti-Sliding with Engineering Mechanics Based on Damage Theory</b>	289
S. Liu, Q.W. Ren and C.L. Zhou .....	
<b>Study of Rheological Effects on the Stress and Deformation of the Sand-Gravel-Fill Dam</b>	297
L. Ren, Y. Li, B. Hu and M. Jiang .....	
<b>Simulation Analysis about Dynamic Characteristics of Crane's Jib System Based on the Lifting Loads</b>	304
S.C. Hu, N.B. Zou, S. Ouyang and W.Y. Zhang .....	
<b>Numerical Characteristic Length Model for Mechanical Composite Joints in Mechanical Manufacturing Engineering</b>	308
Z.X. Xu .....	
<b>The Design and Research on a Gas-Water Mix-Type Marine Fire Hydrant Based on Fluid Mechanics</b>	312
T. Sun, Z.Q. Zhang, C.J. Sun and Z.W. Ma.....	
<b>Applied Mechanics and Applied Technology in Fuel Injection Pump Bench Rotational Speed Measurement System Design Based on CPLD</b>	316
J.C. Wang and H.H. Quan.....	

## Chapter 3: Mechanical Engineering

<b>Applied Research of Frequency Discriminator Based on LabVIEW</b>	
S.L. Liang, Z.P. Li and Z.G. Hou .....	323
<b>The Research on Suppression Strategies for Electromagnetic Torque Ripples of Brushless DC Motors</b>	
L.J. Hu, X.H. Zeng, H. Song, X.L. Huang and M. Liu.....	327
<b>Application of Programmable Logic Controller in Sewage Treatment</b>	
Z.S. Zhang, B.F. Liu, S.Q. Guo, D.Y. Song and Z.Y. Wang.....	332
<b>The Control of High Voltage Electrostatic Precipitator Based on EDA</b>	
Z.S. Zhang, Y. Wang, C.S. Wang, J. Cui and Z.Q. Liu.....	336
<b>The Control of Constant Current Source in Electrostatic Precipitators Based on Microcontroller</b>	
Z.S. Zhang, X.D. Shi, L.F. Liu, Z.Y. Wang and D.Y. Song.....	340
<b>New Intelligent and Efficient Pesticide Sprayers in Mechanical Manufacturing Engineering</b>	
D.Y. Ma, T.T. Li, K. Sun, J.L. Wang, L.W. Li, H. Zhang and D.F. Chen .....	344
<b>Design and Research of Freescale Smart Car Keyboard in Mechanical Manufacturing Engineering</b>	
X. Jiang and T. Wu .....	348
<b>Design and Research of Mechanical Manufacturing for Wind Power Generation Device in Highway</b>	
S.Q. Deng, R. Pan, F.T. Fang, M. Zhang and D.Y. Ma.....	352
<b>Research on Mechanical Manufacturing with Design and Analysis of an Intermittent Separation Bricks Machine</b>	
X.H. Shen, Q.P. Peng, L.W. Li, Y.T. Li and D.F. Chen.....	358
<b>Research on Mechanical Manufacturing with Programming of PMC Axis Control Module for Multi-Function Vertical Grinder</b>	
Y.B. Shi, Y. Ren and J.C. Wang.....	362
<b>Research on Mechanical Manufacturing with Creative Design and Combination of 3D Mechanical Manipulator Based on Fischertechnik</b>	
Z. Tao, T. Wu and C.H. He.....	366
<b>Research on Mechanical Mechanics with the Finite Element Analysis and Structure Optimization of Large Span Gantry Crane Box Beam</b>	
S.C. Hu, B. Liu, X.J. Wang and W.Y. Zhang .....	370
<b>Research on Mechanical Dynamics with a Use of a Vehicle Wake Generating Device Simulation and Design</b>	
T.W. Lu, W. Hu, L.W. Li and D.F. Chen .....	375

**Chapter 4: Information Technology and Applied Research**

<b>Research on Manufacturing Engineering with Financial Information Management System Inter Control in Technology-Based Small and Medium-Sized Enterprises</b>	
J. Chen.....	381
<b>Research on Manufacturing Engineering with Facility Layout's Modeling and Simulation Based on Genetic Algorithm</b>	
J. Lu and P.D. Dai.....	385
<b>Applied-Information Technology with Design and Research on Innovative DIY Training Platform of Learners Based on Mechanical Properties</b>	
F.T. Fang, D.Y. Ma and D.F. Chen.....	389
<b>Research on Information-Applied Technology with Parts Classification and Coding Based on Group Technology</b>	
Y.B. Shi and J.C. Wang .....	393
<b>Energy-Efficient Data Processing in Cloud Computing Centers</b>	
Y.P. Li, S.F. Zhong, X.H. Pan and H.Q. Yuan .....	397
<b>Reformulating Input Data for Linear Regression of Demographic Data</b>	
X.H. Pan, Y.P. Li and H.Q. Yuan .....	401
<b>Comparative Study of Ink-Jet Color Proofing Systems Based on Color Management</b>	
C.X. Cheng and Y.M. Liang .....	405
<b>Defense the Green Position of Graphic Communications Industry and Find Ways to Make it Greener</b>	
C.X. Cheng.....	410
<b>Data Processing in Dynamic Traffic Capacity of Urban Road Based on Squatted Lane</b>	
H.Q. Zhang.....	415
<b>Applied Technology in Optimization Design of Pile-Anchor Support for Foundation Pit Based on BP Neural Network</b>	
D.W. Cao and L.D. Zou .....	419
<b>Applied-Information Technology in the Government Regional Information Sharing Operating Mechanism Based on Cloud Computation</b>	
E.D. Zhao, Z.F. Zhang, J. Zhu and S.F. Wu .....	425
<b>Applied-Information Technology with Using Bayesian Belief Network for Strategy Selection of Developing Mountainous Areas</b>	
J. Zhu.....	429
<b>Applied Technology in Control System Design of Asphalt Concrete Mixer's Based on PLC</b>	
J.Y. Liu, J.C. Wang, Y.B. Shi and J.Q. Yang .....	433
<b>Research on Electronic Materials with Material Properties for Multimedia Production of Transportation Service Based on MMB</b>	
G. An and W.J. Zhang .....	437
<b>Comfort and Function Evaluations of Warp-Knitted Fabrics</b>	
J.H. Lin, Y.T. Huang, C.M. Lin and C.W. Lou .....	442

<b>Research on Textile Materials with the Design and Development Trend of Sports Apparel Rethinking</b>	
L. Zhang .....	446
<b>Research on PCM Textiles with Material Properties in Sports Wear Application</b>	
D.M. Ye .....	450
<b>Keyword Index .....</b>	455
<b>Author Index .....</b>	459

# **CHAPTER 1:**

## **Material Science**

