

2016 International Conference on Advanced
Material Science and Mechanical Engineering

AMSME2016



March 20-21, 2016
Bangkok, Thailand



<http://www.amsme2016.org/>

AMSME2016 will be held on March 20-21, 2016, Bangkok, Thailand. AMSME2016, aims to bring together researchers, scientists, engineers, and scholar students to exchange and share their experiences, new ideas, and research results about all aspects of Advanced Material Science and Mechanical Engineering, and discuss the practical challenges encountered and the solutions adopted.

This conference also calls for contributions from any possible individuals or institutions. And all the papers accepted by 2016 International Conference on Advanced Material Science and Mechanical Engineering(AMSME2016) will be published in AMSME2016 proceedings.

All the AMSME2016 accepted papers will be published by World Scientific Publishing and be submitted by World Scientific Publishing for indexing by **Thomson Reuters Web of Science CPCI-S (ISTP indexing) and EI Compindex.**

Excellent papers will be selected and published on SCI and EI journals.

Call For Papers

Authors are invited to submit a full paper, and papers should be written in English. Topics of interest include, but are not limited to

New Materials and Advanced Materials

Composites
Micro / Nano Materials
Iron and Steel
Ceramic
Metal alloy Materials
Biomaterials
Optical/Electronic/Magnetic Materials
Building Materials
Energy Materials
Environmental Friendly Materials
Biomaterials
Chemical Materials
Thin Films
Earthquake Resistant Structures, Materials and Design
Smart/Intelligent Materials/Intelligent Systems
Hydrogen and Fuel Cell Science, Engineering &

Thermodynamics
Biomechanics
Environmental Mechanics
Elastic Mechanics
Rock Mechanics
Human Mechanics
Aerodynamics

Mechanical, Automation and Computer Engineering

Mechatronics
Industrial Robotics and Automation
Machine Vision
Sensor Technology
Microelectronic Technology
Integrated Circuit Technology
Measure Control Technologies and Intelligent Systems

Technology
New Functional Materials
Cryogenic Materials
Testing and Evaluation of Materials
Materials Physics and Chemistry
Tooling Testing and Evaluation of Materials
Material Design of Computer Aided

Materials Analyses and Modeling

Electron Microscopy
Image Analysis
X-ray Phase Analysis
Metallography
Computational Material Science
Numerical Techniques
Materials Design
Materials and Engineering Databases
Expert Systems
Artificial Intelligence Methods
Non-Destructive Testing
Reliability Assessment

Advanced Design Technology

Innovative Design Methodology
Product Life Cycle Design
Intelligent Optimization Design
Structural Strength and Robustness
Reverse Engineering
Green Design and Manufacturing
Design for Sustainability
Machinery Dynamics
New Mechanisms and Robotics
Driven Train Mechanisms

Applied Mechanics and Engineering Mechanics

The Basic of Mechanics and Research Methods
Dynamics and Vibration
Solid Mechanics
Fluid Mechanics

Transmission and Control of Fluid
Mechanical Control and Information Processing
Technology
Embedded System
Advanced Forming Manufacturing and
Equipment
NEMS/MEMS Technology and Equipment
Micro-Electronic Packaging Technology and
Equipment
Advanced NC Techniques and Equipment
Power and Fluid Machinery
Energy Machinery and Equipment
Construction Machinery and Equipment

Manufacturing Processes and Systems

Surface Engineering/Coatings
Materials Forming
Materials Machining
Welding & Joining
Laser Processing
Powder Metallurgy
Severe Plastic Deformation
Tribology in Manufacturing Processes
Theory and Application of Friction and Wear
Casting and solidification
Microwave Processing of Materials
Waste-to-Energy, Waste Management and Waste
Disposal
Thermal Engineering Theory and Applications
CAD/CAE/CAM
Rapid Prototyping, Manufacturing, and Tooling
E-manufacturing, ERP, and Integrated Factory
Sequencing, and Scheduling
Virtual Manufacturing, and Simulation
Operations, and Production Management
Precision Engineering, and Concurrent
Engineering
JIT, Lean, and Agile Manufacturing
DSS, ES and AI in Manufacturing
Engineering Optimization

Other Related Topics

IMPORTANT DATES	
2016-01-28	Paper Submission
2016-01-28	Notification of Acceptance
2016-02-03	Author's Registration
2016-03-20,21	Conference Dates