

2012 International Conference on Manufacturing Engineering and Technology for Manufacturing Growth (METMG 2012)

November 1-2, 2012, San Diego, USA

<http://metmg-conf.org/>

Call for Paper

<http://metmg-conf.org/>

METMG 2012 will be the most comprehensive Conference focused on the various aspects of advances in Manufacturing Engineering and Technology for Manufacturing Growth. Our Conference provides a chance for academic and industry professionals to discuss recent progress in the area of Manufacturing Engineering and Technology for Manufacturing Growth.

■ **【Sponsor & Support】**

American Applied Sciences Research Institute, USA
Information Engineering Research Institute, USA
Information Engineering Research Branch, CHINA

■ **【Publication】**

All papers accepted and registered will be included in conference proceedings published by Advanced Materials Research (**ISSN:1022-6680**), Trans Tech Publications, available online at <http://www.scientific.net/AMR>, which will be indexed by Elsevier: SCOPUS www.scopus.com and Ei Compendex (CPX) www.ei.org/. Cambridge Scientific Abstracts (CSA) www.csa.com, Chemical Abstracts (CA) www.cas.org, Google and Google Scholar google.com, ISI (ISTP, CPCI, Web of Science) and Lecture Notes in Information Technology, IERI Publisher, which will be **indexed by ISI (ISTP, CPCI, Web of Science) and submitted for Elsevier: SCOPUS www.scopus.com and Ei Compendex (CPX) www.ei.org/.**

■ **【The paper submission system is open】**

<https://www.easychair.org/conferences/?conf=metmg2012>

■ **【Important Dates】**

Paper submissions due: August 10, 2012
Paper notification of acceptance: August 20, 2012
Final version due: August 25, 2012

■ **【Contact Us】**

Email: METMG2012@163.com
Tel: 13296506802 or 027-87772193

■ **【Topic】**

Computer Aided Design and Manufacturing:

Computer Aided Design and Modeling
Computer Aided Manufacturing
Computer Aided Engineering Analysis
Industrial robots
Flexible Manufacturing Systems
Intelligent inspection technologies
Rapid Prototyping
Rapid Product Development
Automated Assembly
Computer Control Systems
Virtual Engineering Technologies

Material Forming Processes:

Bulk Forming Processes such as: Rolling, Forging, Extrusion ...
Sheet Forming Processes such as: Deep Drawing, Stretch Forming, Spinning, Roll Forming, Explosive Forming, High Rate Forming
Polymer Processing Technologies
ceramic Processing Technologies

Machining Technology:

Machining processes (turning, milling, boring, gear forming, ...)
Abrasives (grinding, lapping, honing, ...)
Advances in machining (high speed machining, hard turning, ...)
Simulation and analytical methods of Machining
Ultrasonic assisted machining (turning, milling, ...)
Electrodischarge/Electrochemical Machining (EDM/ECM)
Ultrasonic Machining (USM)
Abrasive/Water Jet Machining (A/WJM)
Magnetic Field-assisted Machining
Hybrid Manufacturing (Vibration-assisted EDM, Electrochemical Mechanical Polishing, Electrodischarge Grinding)
Rapid Prototyping/Manufacturing/Tooling
Environmental and Safety Issues in NTM and Hybrid manufacturing
Industrial Applications of NTM and Hybrid manufacturing
Other non-traditional/hybrid machining methods
Laser assisted processing

Welding Technology:

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Manual Metal Arc Welding (MMAW)	Squeeze casting
Metal Inert Gas (MIG)	Semisolid forming (Rheocasting, Thixocasting, Semisolid forging, etc.)
Shielded Metal Arc Welding (SMAW)	Spray forming
Metal Active Gas (MAG)	Continuous casting (DC casting, Roll casting, Belt casting, etc.)
Gas Shielded Metal Arc Welding (GMAW)	Modeling of casting
Tungsten Inert Gas (TIG)	Bonding by casting
Flux Core Arc Welding	Automation in Manufacturing:
Projection Welding	Numerical Control of Manufacturing Processes
Flash Welding	Computer Numerical Control of Manufacturing Processes
Upset Welding	Analysis and Control of Machine Tools
Spot Welding	Computer Integrated Manufacturing
Stir Friction Welding	Mechatronics
Ultrasonic Welding	Pneumatics and Hydraulics Systems
Explosive Welding	Programmable Logic Controller PLC
FSW (Friction Stir Welding) of Aluminum Alloys, Dissimilar Metals, etc.	Automated Control
Solid State Welding (Diffusion Bonding, Pressure Welding, etc.)	Artificial Intelligence in Manufacturing
Brazing and Soldering of Dissimilar Materials, Ceramics, FRM, etc.	Radio Frequency Identification (RFID)
High Density Energy Beam Welding (Laser Welding, Electron Beam Welding, etc.)	Inspection and Testing in Manufacturing Engineering
Robotics of Welding, Brazing, etc.	NDT
Welding or Joining of Magnesium Alloys	Micro and Nano Fabrications:
Microstructure and Mechanical Properties of Welded Joint	NEMS
Metallurgical Manufacturing Processes:	Substrate fabrication
Casting	Lithography
Powder Metallurgy	Vacuum technology
Heat Treatment	Thin film Manufacturing
Surface Engineering (Coating, Texturing)	Plasma etching
Die casting	Temperature processing
	Measurement techniques and analysis

2012 年制造工程和先进技术国际会议(METMG 2012)

11 月 1-2 号, 2012, 圣地亚哥, 美国

<http://metmg-conf.org/>

征稿通知

<http://metmg-conf.org/>

2012 年制造工程和先进技术国际会议包含了制造工程和先进技术的各个方面。我们的会议为学术和工程方面专业人士提供了在制造工程和先进制造技术领域讨论最新进展的平台。

■ [主办者和学会支持]

美国应用科学研究学会, 美国
美国信息工程研究学会, 美国
信息工程研究分会, 中国

■ [出版者]

所有录用并注册的论文将发表在 TTP 出版社 AMR(ISSN:1022-6680)上, 网址: <http://www.scientific.net/AMR>, 由 Elsevier 及 Ei Compendex:SCOPUS www.scopus.com 和 Ei Compendex(CPX)www.ei.org/, 剑桥科学文摘(CSA)www.csa.com、化学文摘(CA)www.cas.org、谷歌和谷歌学术 Google.com、ISI (ISTP, CPCI, Web of Science) 收录, 信息技术讲义(Lecture Notes in Information Technology)、IERI 出版, 并将被 ISI (ISTP, CPCI, Web of Science), Elsevier:SCOPUS www.scopus.com 和 Ei Compendex(CPX)www.ei.org/ 检索。

■ 论文投稿系统

<https://www.easychair.org/conferences/?conf=metmg2012>

■ 重要日期

投稿截止日期: 2012 年 8 月 10 号

录用通知: 2012 年 8 月 30 号

【联系方式】

Email: METMG2012@163.com

Tel: 13296506802 or 027-87772193

■ [会议主题]

计算机辅助设计和制造:

计算机辅助设计和建模
计算机辅助制造
计算机辅助工程分析
工业机器人

柔性制造系统
智能监测技术
快速原型法
快速产品开发

自动化装配
计算机控制系统
虚拟工程技术

材料成型过程:

体积成形过程,如:滚动、锻造、挤压...
板料成形过程,如:拉深、拉伸、纺织、滚压,爆炸、高率成形

聚合物加工技术
陶瓷加工技术

加工技术:

加工(车削、铣削、钻孔、齿轮成形,...)
磨料(磨削、研磨、珩磨、...)
机械加工(高速加工、硬车削、...)
仿真和分析加工法

超声波辅助加工(车削、铣削、...)

Electrodischarge /电化学加工(EDM/ECM)

超声加工(USM)

磨料/水射流切割(A / WJM)

磁场辅助机器加工

混合制造(振动辅助EDM、电化学机械抛光,Electrodischarge研磨)

快速原型/制造/工具

NTM环境和安全问题及混合制造业

NTM工业领域中的应用和混合制造

其他非传统/混合加工方法

激光辅助加工

焊接技术:

手动金属弧焊(MMAW)

金属惰性气体(MIG)

屏蔽金属弧焊(SMAW)

金属活性气体(MAG)

气体保护金属弧焊(GMAW)

钨惰性气体(TIG)

通量核心弧焊

投影焊接

闪光焊接

电阻焊接

点焊

搅拌摩擦焊接

超声波焊接

爆炸焊接

FSW(摩擦搅拌焊)铝合金、不同的金属等。

固态焊接(扩散连接,压力焊等)。

钎焊和焊接不同材料、陶瓷、FRM等。

高密度能量束焊接(激光焊接、电子束焊接等)。

机器人焊接、钎焊等。

镁合金的焊接或连接

微观结构和机械性能焊接

冶金生产过程:

铸造

粉末冶金

热处理

表面工程(涂料,晒纹)

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压铸

挤压铸造

半固态成形(流变铸造,触变成形,半固态锻造等)。

喷射成型

连铸(DC铸造、辊铸造、带铸造等)。

建模铸造

铸造粘结

自动化生产:

数控生产流程

电脑数值控制生产流程

分析和控制机床

计算机集成制造

机电一体化

气动和液压系统

可编程逻辑控制器PLC

自动化控制

人工智能制造

无线电频率识别(RFID)

制造工程检验和测试

无损检测

微纳制造技术:

微电子机械系统

基片制造

光刻

真空技术

薄膜制造

等离子刻蚀

温度处理

测量技术和分析

■ 其他说明:

会议接受中文投稿, 但是最后录取后必须全部翻译成英文。

发票、论文集和大会邀请函在会议期间领取, 因特殊事情不能到会的作者, 我们按照你的注册表信息, 在会议结束后一个月内, 免费快递给您。