

Call for papers

2015 Guiyang International Materials Week

--International Symposia

July 10-14, 2015

Guizhou Park Hotel International Conference Center, Guiyang, China



Organized by

Chinese Materials Research Society (C-MRS)

www.c-mrs.org.cn/cmc2015

Supported by

China Association for Science and Technology
National Natural Science Foundation of China
Chinese Academy of Science
Chinese Academy of Engineering
Government of Guiyang City
Guizhou University

Introduction

“Chinese Materials Conference” is one of the most important meetings series of Chinese Materials Research Society(C-MRS), which held once a year. “Chinese Materials Conference” aimed at building a communication platform for researchers, entrepreneurs, administration officers and students in the field of materials research to exchange their recent research results. “Chinese Materials Conference 2015” will be held in Guiyang city, Guizhou Province, China, from July 10-14, 2015. The conference consists of 30 symposia, including 4 international symposia of

- AA. Multifunctional Composites and Meta-composites
- BB. Amorphous and high entropy alloys
- CC. Serration and Noise Behavior in Advanced Materials
- DD. Magnesium Alloys

and 26 domestic symposia of

- A. Photocatalytic Energy Materials
- B. Functional Materials for Environment
- C. Energy Conversion and Storage Materials
- D. Thermoelectric Materials and Devices
- E. Advanced Materials of Oil and Gas Fields
- F. Low Dimensional Materials and Devices in Extreme Conditions
- G. Microelectronics and Optoelectronics Materials
- H. Ferroelectric and Oxide Electronic Information Materials
- I. Multiferroic Materials
- J. Superhard Materials
- K. Preparation and Application of Superconducting Material
- L. Bulk Nano Ultra-fine Crystal Materials
- M. Biomedical Materials
- N. Advanced Ceramic Materials
- O. Polymer Materials
- P. Functional Elastomer Materials
- Q. Shape Memory and Self-healing Polymeric Materials
- R. Advanced Metal Matrix Composites
- S. High Temperature Structural Materials and Coating

- T. High Performance Titanium Alloy
- U. Powder Metallurgy
- V. Space Materials (Combined with Symposium R)
- W. Advanced Preparation and Processing of Materials
- X. Application of Advanced Characterization Methods in Materials Science
- Y. Materials Evaluation and Service Security
- Z. Materials Simulation, Calculation and Design

In addition, materials education forum, advanced materials enterprises forum, and forum on materials science and technology journal, the equipment exhibition for the materials laboratories will be held simultaneously during the conference.

This is the “Call for papers” of International Symposia.

General Program

Date: July 10-14, 2015

Date	Morning	Afternoon	Evening
July.10	Registration for domestic symposia representative		
July.11	Registration for international symposia participants; Domestic symposia	Registration for international symposia participants; Domestic symposia; C-MRS Council member meeting	Entertainment
July.12	Plenary lectures	Symposia; Poster	Symposium chairs meeting; Entertainment
July.13	Symposia	Symposia	
July.14	International symposia	International symposia	

Conference Venue

The conference will be held at Guizhou Park Hotel International Conference Center, Guiyang city. Guizhou province is located in the southwest of China, and has a good development prospect and specially rich in tourism resources with its beautiful scenery such as unique landforms, mountains and rivers. Guiyang is a modern city with the characteristic of plateau scenery, with beautiful scenery and forests surround in and out of the city, is China's first national forest city (“forest city”) and circular economy pilot cities. Because of its comfortable summer, Guiyang topped the list of the “China Top Ten Summer Resort Tourist City”. Guizhou Park Hotel International Conference Center is 12 kilometers away from Guiyang Longdongbao airport and 6 kilometers away from Guiyang railway station.

Conference Language

International Symposia: English

Domestic Symposia: Chinese

International Symposia

AA. Multifunctional Composites and Meta-composites

Main Topics: Composite materials with unusual mechanical, thermal, electrical, magnetic, microwave, optical, acoustic, catalysis, corrosion properties including but not limited to: thermal structural materials, metamaterials in a broad sense, negative parameter materials including negative stiffness, auxetic materials, polymer-derived functional ceramics, wave transparent materials, wave absorbing materials, thermal conducting/insulating materials etc.

Organizers:

Hua-Xin Peng	Zhejiang University (China)
Linan An	University of Central Florida (USA)
Runhua Fan	Shandong University (China)
Tongxiang Fan	Shanghai Jiao Tong University (China)
Yujin Wang	Harbin Institute of Technology (China)

Contact with:

Runhua Fan	Shandong University 86-18668919702 fan@sdu.edu.cn
Dr. Z.D. Zhang	Shandong University 86-531-88393396 1986zzd@163.com

BB. Amorphous and high entropy alloys

Main Topics: Amorphous alloys: structure, deformation and fracture mechanism, mechanical properties, characterization and processing, glass-forming ability, glassy matrix composites and nanocrystalline materials, physical properties (including magnetic, electrical and thermal properties etc), chemical properties; High entropy alloys: alloy design, phase selection and stability, mechanical properties, strengthening and toughening, functional high entropy alloys.

Organizers:

Kefu Yao	Tsinghua University (China)
Zhichao Lu	China Iron & Steel Research Institute Group (China)
Xidong Hui	University of Science and Technology Beijing (China)
Mo Li	Georgia Institute of Technology (USA)
Junwei Ye	National Tsing Hua University (Taiwan, China)

Contact with:

Yang Shao	Tsinghua University 86-10-62788756/86-15901313826 shaoyang@tsinghua.edu.cn
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CC. Serration and Noise Behavior in Advanced Materials

Main Topics: “Noise” is everywhere in our daily life, such as the crackling noise arising from paper crumpling and fault movement during earthquakes. In materials science, the phenomenon of noise is also ubiquitous, particularly, in the study of the deformation behavior of materials, which usually manifests as serrated plastic flows. Over the past few years, this interesting and universal phenomenon has attracted

tremendous research interest, which can be observed among a wide range of advanced materials, from granular matters, single-crystalline metals, Al Mg alloys, low carbon and TWIP steels, shape memory alloys, high entropy alloys to metallic glasses. To provide a physical understanding of universal noise behavior, different elastic coupling models have been proposed, with a variety of scaling relations being predicted. However, the source of noise when these advanced materials are deformed is still being debated. To materials scientists, understanding the structural origin of the noise may help avoid catastrophic failure and therefore inform the design of plasticity in these advanced materials. In this Special Issue, we intend to provide comprehensive studies related to the serration and noise behavior of various advanced materials. Topics include Plastic deformation and serration behavior, high entropy and amorphous alloys, shape memory alloys and TWIP steel, barkhausen noise, structural units for plastic deformation, PLC serrations in AlMg alloys and low carbon steels.

Organizers:

Yong Zhang	University of Science and Technology Beijing (China)
Wei-Hua Wang	Institute of Physics, Chinese Academy of Sciences, CAS (China)
Peter K. Liaw	University of Tennessee (USA)
Yong Yang	City University of Hong Kong (HK)
Gang Wang	Shanghai University (China)

Contact with:

Junwei Qiao	Taiyuan University of Technology 86-13643467172 qiaojunwei@gmail.com
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DD. Magnesium Alloys

Main Topics: Primary production technologies, phase transformations, alloy development, mechanical and physical properties, microstructure, designs and applications, product manufacturing processes, welding and joining, corrosion and surface finishing, application of magnesium and its alloys, recycling and environmental issues, etc.

Organizers:

Fusheng Pan	Chongqing University (China)
M. X. Zhang	University of Queensland (Australia)
Y. D. Huang	Centre for Materials and Coastal Research (Germany)
Bin Jiang	Chongqing University (China)

Contact with:

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Abstracts Submission

All abstracts should be submitted to www.c-mrs.org.cn/cmc2015 before April 30, 2015. The abstracts should contain the paper title, the authors' name and affiliations, as well as email address. The abstract book will be published before the conference and be available at the conference.

Full Papers Submission and Publication

The manuscripts of full papers should be submitted to www.c-mrs.org.cn/cmc2015 before July 15, 2015. The full papers should be the un-published original research, the contents of the paper should be related to the main topics of the symposia of this conference, and the papers should be presented at this conference by oral or poster.

The received full papers must be written in English and will be reviewed and recommended to be published in the journal of “Materials Research Innovation” (SCI) and “Materials Science Forum” (EI, ISTP, etc.) .

Symposia who make their own arrangements for publishing (such as symposia “AA. Multifunctional composites and Meta-composites”, symposia “CC. Serration and Noise Behavior in Advanced Materials” and symposia “Q. Shape Memory and Self-healing Polymeric Materials”) will be responsible for the review and publication matters.

Papers Presentation and Awards

Papers should be presented by oral or poster, and the symposia programs are determined by the symposia chairs. The size of the poster should be 120 cm in height, 80 cm in width (the cell phone number of one author who attend the conference should be put on the poster). Posters presentation session will be arranged in the afternoon of July 12th, 2015, and at least one of each paper authors should be present at the poster session.

The establishment of “Excellent papers awards” for young researchers under the age of 35 is decided by each symposium, and the conference organizing committee will provide the unified award certificates for the award winners. The “excellent posters awards” will be given to outstanding presentations. Symposium chairs may recommend the outstanding posters (5%-8% of the total posters) to awards committee for the final decision. The award ceremony will be held in the closing ceremony on the conference.

Important Dates

Dec.10, 2014	Circular and call for papers
Apr. 30, 2015	Deadline for submitting abstracts
May. 20, 2015	Notification on acceptance of abstracts
July. 15, 2015	Deadline for submitting full paper manuscripts

Registration Fees

Classification	Before May 31, 2015		After May 31, 2015	
	Participants (Domestic)	Participants (Overseas)	Participants (Domestic)	Participants (Overseas)
C-MRS members	RMB ¥1300	---	RMB ¥1500	---
Regular participants	RMB ¥1500	USD \$220	RMB ¥1700	USD \$250
Students	RMB ¥1000	---	RMB ¥1100	---

Method of Payment

Overseas participants (All the fees mentioned above should be payable in US dollars.)

(1) Payment online

Please login the website www.c-mrs.org.cn/cmc2015 to register and payment.

(2) American Express, GCB, Visa, diners Club, Master Cards are accepted.

(3) Personal checks will not be accepted.

Domestic participants

(1) Payment online

Please login the website www.c-mrs.org.cn/cmc2015 to register and payment.

(2) Telegraphic transfer

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(3) Pay in Cash

Please pay in cash when registering at the conference site on July.11, 2015.

**Please note: for those who have paid the pre-registration fee while be absent from the conference, 30% of the pre-registration fee will be deducted for banking charges during the refund process.*

Hotel Reservation

Information will be available on the conference website of , please make pre-reservation.

Visa Application Information

Please keep in mind that the visa application process could take up to six months in extreme cases. Apply early! The details will be available on the conference website.

Contact with

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