

# Materials branch of Chinese society of Mechanical Engineering

## Notice of the second round of "the 9th National Symposium on physical and numerical simulation of materials and the 6th Gleeble User Conference

Relevant units:

The Ninth National Conference on physical and numerical simulation of materials and the sixth Gleeble user conference, CO sponsored by the materials branch of the Chinese society of mechanical engineering and Kunming University of technology and hosted by the school of materials science and engineering of Kunming University of technology, will be held in Kunming, Yunnan Province from July 27 to 30, 2023.

The purpose of this meeting is to combine the urgent demand for physical simulation and numerical simulation technology in the field of new material development and processing in China (including metallurgical process, material preparation, compression plastic processing, welding, casting, heat treatment, additive manufacturing and other new processes), and focus on the basic theory of physical simulation and numerical simulation technology in related fields, the test and application of physical simulation and numerical simulation, the development and application of simulation software And the common problems of achievement transformation and industrialization. During the conference, Gleeble user exchange and training activities will be

held. Institutions of higher learning, scientific research institutes, enterprises, equipment manufacturers and software companies are welcome to actively participate.

The relevant matters are hereby notified as follows:

## **1、Conference organization**

Organizer: Kunming University of  
science and technology,  
materials branch of  
China Society of  
Mechanical Engineering

Organizer: School of materials science and engineering, Kunming University of Technology

Co organizer: National Key Laboratory of material forming

and die technology (Huazhong University of  
science and Technology), School of material  
science and engineering, Harbin Institute of  
Technology

College of materials science and engineering, Henan University  
of science and technology

Institute of metals, Chinese Academy of Sciences

Dynamic Systems Inc

## **2、President of the general assembly**

Chairman: Niu

Jitai Vice

Chairman: Yi

Jianhong

### **3、Director of Academic Committee**

**(arranged according to  
surname strokes):**

**yangyuansheng**

Deputy director: Zhang Mei, hepenglei, Yongping

Members: Ding Yutian, Ma Yutian, Wang Xiaonan, Shi Xiang, Liu Zuyan,

Liu Chunfeng, Liu Dexue, Sha Gang, Du Wenbo, Li Jinfu, Li  
mengbie, Yang Kaihuai, Zhang Jie, Zhang Shangzhou, Chen Xu,  
Chen Fuxiao, Zhou Guangtao, Zhou Cunlong, Zhou Jixue, Zhou  
Xu, Zhou Xianliang, Zheng Yueqiang, Qu Chaoxia, Zhao Qi, Zhao  
Hai, Dong Zhao Yan, Luo Zongan, Gao Zeng, Chang Yunlong,  
Peng Ping

### **4、Director of the Organizing Committee (arranged according to the strokes of surnames):** **limengbie**

Deputy director: zhoujianxin, chenweichang, Zeng Jianmin

Members: Bu Hengyong, mabaoyu, Wang Chengqi, Wang Haiyan, Wang

Daoyuan, Feng Xiaohui, Liu Junzhao, Tang Fuling, Xing Li, Li  
Shaohong, Li Jun, Yang Hongmei, Yang Xiaoyi, Zhang Chi, Zhang  
Yan, Chen Xuan, Chen Xuejun, Zou Aihua  
Zhengshanju, linpanpan, linjianlu, xinjincheng, zhouhongwei,  
huyong, huzengrong, duanyonghua, Jiazhi, gujianfeng,  
Qianzhuo, yinfengliang, yinyajun, meiruibin, pengmingjun,  
chengdongfeng, leiqian

### **5、Conference theme**

1. The basic theory and development trend of physical simulation and numerical simulation in the fields of materials, metallurgy and hot processing;

2. The physical simulation test carried out on the thermal / mechanical simulation testing machine and other hot processing test equipment, and the application of physical simulation technology in the field of new material development and hot processing (including pressure processing, welding, casting, heat treatment, surface modification and other new processes);

3. Numerical simulation in the fields of material preparation, metallurgical process and thermal processing, development and application of numerical simulation software, computational materials science;

4. Application of expert system and artificial intelligence technology in the field of materials, monitoring, prediction and control of product quality;

5. Function development of thermal / mechanical simulation testing machine equipment, development and application of physical simulation testing technology;

6. Development of potential of steel materials, magnesium alloys, aluminum alloys, titanium alloys, high temperature alloys and other materials;

7. New energy materials and technology, new material electronic packaging technology; Coupling study of materials and environment;

8. Other types of advanced materials include non-metallic materials, such as ceramics, non-metallic matrix composites, and the preparation and processing of polymer materials.

## **6、Conference essay solicitation**

1. Articles that meet the theme of the conference and have not been published in domestic and foreign journals or collections of papers can be submitted. Please pass the conference website before the deadline <https://cpns2023.casconf.cn> Online contribution; Please upload the abstract or full text of the paper to the conference website as required.

The abstract shall indicate: title, author's name, author's unit, abstract content (in Chinese and English), etc.

The paper shall indicate: title, author's name, author's unit, abstract, key words, introduction, text, conclusion and references; See the Journal of mechanical engineering materials for the detailed format.

2. The articles (abstract or full text) accepted at the meeting will be included in the "Proceedings of the 9th National Conference on physical simulation and numerical simulation of materials and hot processing", and the excellent articles will be recommended to the core journal of mechanical engineering materials for publication. Deadline for soliciting papers: June 30, 2023.

### 3. Meeting time and place

Time: July 27-30, 2023, all day report on July 27.

Location: Kunming Jiahua Plaza Hotel (address: No. 157 Beijing Road, Guandu District, Kunming, Yunnan Province; Tel: 0871-63562828).

### 4. Agenda

time	Activity arrangement	place
All day on July 27	Representative check in	Hall on the second floor of

		Jiahua Hotel
Morning of July 28	Report of the opening ceremony of the conference	Jiahua hotel meeting room
July 28 afternoon	Branch venue Report	Jiahua hotel meeting room
Morning and afternoon of July 29	Branch venue Report	Jiahua hotel meeting room
Morning of July 30	Visit Kunming University of Technology	
Afternoon of July 30	Delegates leave the meeting	

## 7、Conference registration and fees

The conference entrusted Yunnan xiaomuchong conference and Exhibition Co., Ltd. to undertake conference reception services, hotel coordination, collect conference fees and issue invoices for conference fees.

During the meeting, the transportation and accommodation expenses of the participants shall be borne by themselves. The expense standard of the Conference Hotel Kunming Jiahua Plaza Hotel is: 380 yuan / room per day for both standard room and single room (special price for the conference, including double breakfast), which can be booked through the receipt of the conference.

The conference registration fee is charged as follows:

Representative type	Registration and payment before July 1	Registration and on-site payment after July 1
official	2000 yuan /	2200 yuan / person

delegate	person	
Student represent ative	1200 yuan / person	1400 yuan / person

Collection account: please indicate the 9th simulation

meeting - name - company name when remitting

account opening bank: Ping An Bank Kunming Branch

Business Department

Account Name: Yunnan

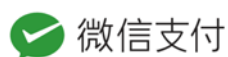
xiaomuchong conference and

Exhibition Co., Ltd. account

number: 15732258100011

UnionPay bank No.: 307731006613

Wechat collection code Alipay collection code



欢迎使用支付宝付款

云南小木虫会议展览有限公司



扫一扫上面的二维码图案，向我付款

Transportation route to the conference hotel Jiahua Hotel:

Kunming Changshui International

Airport - Kunming Jiahua Plaza Hotel:

27km, 35 minutes' drive, about 65

yuan

Public transportation: Metro Line 6 (on the airport central station, 7 stations) - tangzixiang station to transfer to Metro Line 2 (in the direction of Huancheng South Road, 1 station, under the entrance / exit D of Huancheng South Road) - walk 400 meters to the hotel

Kunming South Railway Station - Kunming Jiahua Plaza Hotel

Taxi: 28km, 50 minutes' drive, about 80 yuan

Public transportation: Metro Line 1 (on Kunming South Railway Station, 16 stations) - get off at Huancheng South Road Station (exit d)  
- walk 400 meters to the hotel

Kunming Station - Kunming

Jiahua Plaza Hotel Kunming

Station Exit walk 700 meters

to the hotel

## **8、Contact information of conference affairs group**

Buhengyong: 15096649358, buhengyong@kust.edu.cn

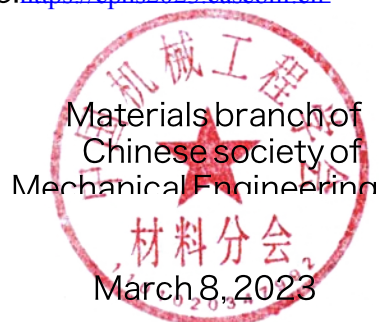
Fengxiaohui: 13609838580, xhfeng@imr.ac.cn



## 9、 Attendance receipt

Please fill in the attendance receipt and send it to the email address of the conference affairs group before July 1., especially those who intend to make academic presentations must fill in the attendance receipt. 10、 Conference website  
buhengyong@kust.edu.cn

For more information, see the conference website:<https://cpns2023.casconf.cn>



# Receipt of "the 9th National Conference on physical and numerical simulation of materials and the 6th Gleeble User Conference

order No	name	Mobile number	Title / position	Work unit	Academic or not report	Title of academic report (this item is not required for academic report)
Room reservation			<input type="checkbox"/> standard room    between <input type="checkbox"/> single room    between			

Note: (1) please send the completed receipt to buhengyong@kust.edu.cn

(2) If the participants have personal travel plans, the meeting will only provide consultation. Contact person: Bu Hengyong 15096649358).

# 中国机械工程学会材料分会

## “第九届全国材料物理模拟及数值模拟学术会议 暨第六届 Gleeble 用户会议”第二轮通知

各相关单位：

由中国机械工程学会材料分会、昆明理工大学联合主办，昆明理工大学材料科学与工程学院承办的“第九届全国材料物理模拟及数值模拟学术会议暨第六届 Gleeble 用户会议”定于 2023 年 7 月 27-30 日在云南省昆明市召开。

本次会议旨在结合在我国新材料研制和加工领域（包括冶金工艺、材料制备、塑性加工、焊接、铸造、热处理、增材制造及其他新工艺）对物理模拟和数值模拟技术的迫切需求，围绕相关领域物理模拟和数值模拟技术的基础理论、物理模拟与数值模拟的试验与应用、模拟软件的开发与应用、以及成果转化与产业化的共性问题进行探讨和交流，会议期间还将举办 Gleeble 用户交流和培训等活动。欢迎各高等院校、科研院所、企业单位、设备厂家、软件公司积极参加。

现将有关事项通知如下：

### 一、会议组织机构

主办单位：中国机械工程学会材料分会

昆明理工大学

承办单位：昆明理工大学材料科学与工程学院

协办单位：材料成形与模具技术全国重点实验室（华中科技大学）

哈尔滨工业大学材料科学与工程学院

河南科技大学材料科学与工程学院

中国科学院金属研究所

Dynamic Systems Inc.

### 二、大会主席

主席：牛济泰

副主席：易健宏

### 三、学术委员会（按姓氏笔画排列）

主 任：杨院生

副主任：张 梅 何 鹏 雷永平

成 员：丁雨田 马玉天 王晓南 石 玦 刘祖岩 刘春风 刘德学 沙 刚 杜文博  
李金富 李萌蘖 杨开怀 张 杰 张尚洲 陈 旭 陈拂晓 周广涛 周存龙  
周吉学 周旭东 周贤良 郑跃强 屈朝霞 赵 奇 赵海东 赵艳君 骆宗安  
高 增 常云龙 彭 平

### 四、组织委员会（按姓氏笔画排列）

主 任：李萌蘖

副主任：周建新 陈伟昌 曾建民

成 员：卜恒勇 马宝玉 王成蹊 王海燕 王道元 冯小辉 刘俊钊 汤富领 邢 丽  
李绍宏 李 俊 杨红梅 杨晓益 张 弛 张 艳 陈 萱 陈学军 邹爱华  
郑善举 林盼盼 林 健 陆 鑫 金 成 周宏伟 胡 勇 胡增荣 段永华  
贾 智 顾剑锋 钱 卓 殷凤良 殷亚军 梅瑞斌 彭明军 程东锋 雷 前

### 五、会议主题

- 1、材料、冶金和热加工领域物理模拟与数值模拟的基本理论与发展趋势；
- 2、在热/力模拟试验机和其他热加工试验设备上进行的物理模拟试验，物理模拟技术在新材料研制和热加工领域(包括压力加工、焊接、铸造、热处理、表面改性及其它新工艺)中的应用；
- 3、材料制备、冶金过程和热加工领域的数值模拟，数值模拟软件的开发与应用，计算材料学；
- 4、专家系统和人工智能技术在材料领域的应用、产品质量的监测、预报和控制；
- 5、热/力模拟试验机设备的功能开发，物理模拟试验技术开发与应用；
- 6、钢铁材料、镁合金、铝合金、钛合金、高温合金等材料潜能的开发；
- 7、新能源材料与技术、新型材料电子封装技术；材料与环境的耦合研究；
- 8、其它类型先进材料包括非金属材料，如陶瓷、非金属基复合材料、高分子材料的制备与加工等。

### 六、会议征文

1、符合会议主题范围，且未在国内外刊物或论文集上发表过的文章，均可投稿，稿件请在截稿日期前通过会议网站 <https://cpns2023.casconf.cn> 在线投稿；论文摘要或全文请按要求上传至会议网站。

摘要需注明：标题、作者姓名、作者单位、摘要内容（中英文）等信息。

论文需注明：标题、作者姓名、作者单位、摘要、关键词、引言、正文、结论、参考文献；详细格式参见《机械工程材料》杂志。

2、会议录用的文章（摘要或者全文）将收录入“第九届全国材料与热加工物理模拟及数值模拟学术会议论文集”，优秀文章将推荐到《机械工程材料》核心期刊上发表。会议征文截稿日期：2023 年 6 月 30 日。

### 3、会议时间、地点

时间：2023 年 7 月 27-30 日，7 月 27 日全天报到。

地点：昆明佳华广场酒店（地址：云南省昆明市官渡区北京路 157 号；电话：0871-63562828）。

### 4、会议日程

时间	活动安排	地点
7 月 27 日全天	代表报到	佳华酒店二楼大厅
7 月 28 日上午	大会开幕式 大会报告	佳华酒店会议室
7 月 28 日下午	分会场报告	佳华酒店会议室
7 月 29 日上午、下午	分会场报告	佳华酒店会议室
7 月 30 日上午	参观昆明理工大学	
7 月 30 日下午	代表离会	

## 七、会议注册及收费

本次会议委托云南小木虫会议展览有限公司承接会议接待服务、酒店协调，并代为收取会议费，以及出具会议费发票。

会议期间参会代表交通住宿费用自理。会议酒店昆明佳华广场酒店费用标准为：标间和单间均为每天 380 元/间（会议特价，含双早），**可通过参会回执预定**。

会议注册费收费标准如下：

代表类型	7 月 1 日前注册缴费	7 月 1 日后注册缴费及现场缴费
正式代表	2000 元/人	2200 元/人

学生代表	1200 元/人	1400 元/人
------	----------	----------

收款账户：汇款时请注明 第九届模拟会议一姓名一单位名称

开户行：平安银行昆明分行营业部

户 名：云南小木虫会议展览有限公司

账 号：15732258100011

银联行号：307731006613

微信收款码

支付宝收款码



欢迎使用支付宝付款

云南小木虫会议展览有限公司



扫一扫上面的二维码图案，向我付款

到达会议酒店佳华酒店交通路线：

**昆明长水国际机场 — 昆明佳华广场酒店**

打车：27km，车程 35 分钟，65 元左右

公共交通：地铁 6 号线（机场中心站上，7 站）— 塘子巷站换乘地铁 2 号线（环城南路方向，1 站，环城南路 D 口下）— 步行 400 米到酒店

**昆明南站 — 昆明佳华广场酒店**

打车：28km，车程 50 分钟，80 元左右

公共交通：地铁 1 号线（昆明南火车站上，16 站）— 环城南路站下（D 口出）  
— 步行 400 米到酒店

**昆明站 — 昆明佳华广场酒店**

昆明站出站口步行 700 米到酒店

## 八、会务组联系方式

卜恒勇：15096649358, buhengyong@kust.edu.cn

冯小辉：13609838580, xhfeng@imr.ac.cn

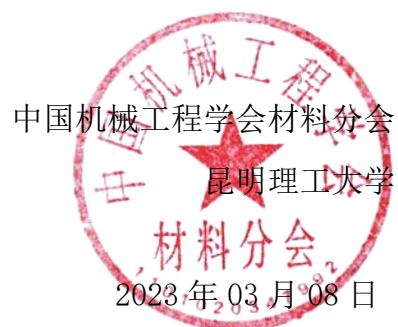
## 九、参会回执

参会代表请填写参会回执，于7月1日前发送至会务组邮箱：

buhengyong@kust.edu.cn，尤其是拟做学术报告人员务必填写参会回执。

## 十、会议网站

更多信息请参阅会议网站：<https://cpns2023.casconf.cn>





## “第九届全国材料物理模拟及数值模拟学术会议暨第六届 Gleeble 用户会议” 参会回执

序号	姓名	手机号	职称/职务	工作单位	是否作学术 报告	学术报告题目（不做学术报告不填此项）
预定房间情况			<input type="checkbox"/> 标间      间 <span style="margin-left: 100px;"><input type="checkbox"/> 单间      间</span>			

注：（1）填写好的回执请发给 [buhengyong@kust.edu.cn](mailto:buhengyong@kust.edu.cn)

（2）如参会代表有个人旅行计划，会务仅提供咨询，联系人：卜恒勇 15096649358）。