

第七届全国颗粒材料计算力学会议暨第四届计算颗粒技术国际研讨会
第二轮征稿通知

The 7th National Conference on Computational Mechanics of Granular Materials in
conjunction with The 4th International Symposium on Computational Particle
Technology
(CMGM-2024 & CPT-2024)
Second Round of Call for Submissions

第二轮征稿已开启，截止2024年4月21日！

经中国力学学会批准，由中国力学学会计算力学专业委员会颗粒材料计算力学专业组、江苏省力学学会和中国颗粒学会颗粒计算专业委员会(筹)主办，河海大学和蒙纳士大学承办的第七届全国颗粒材料计算力学会议（CMGM-2024）暨第四届计算颗粒技术国际研讨会（CPT-2024）将于2024年5月31日至6月3日在江苏省南京市召开。

本次会议将以“颗粒材料计算力学与工程科技前沿”为主题，聚焦颗粒材料的力学理论及模型、计算分析与软件开发、工程应用和相关前沿方向中的关键科学问题和难点问题，开展广泛的学术交流和讨论。会议旨在为国内外同行提供一个开放的交流平台，通过对当前颗粒材料计算力学及工程应用的研究现状和发展趋势的交流，凝炼颗粒力学中新的研究方向，确定相应的关键力学问题，推动颗粒材料计算力学在基础理论、数值方法和工程应用中的发展，促进与其它学科的交叉融合。为促进本领域年轻学者特别是研究生的成长，会议将评选优秀学生论文和优秀报告并给予奖励。

欢迎国内外从事颗粒材料计算力学及工程应用相关领域研究的专家学者及研究生踊跃参加！CMGM-2024 & CPT-2024欢迎您！南京欢迎您！

主办单位：中国力学学会计算力学专业委员会颗粒材料计算力学专业组

江苏省力学学会 中国颗粒学会颗粒计算专业委员会(筹)

承办单位：河海大学 蒙纳士大学

协办单位：东南大学 江西理工大学 东北大学 大连理工大学中白科研与创新中心

工业装备结构分析优化及CAE软件全国重点实验室 持续更新中...

赞助单位：持续更新中...

会议地点：江苏省 南京市 上秦淮假日酒店

会议时间：2024年5月31日至6月3日

会议网站：www.cmgm2024.com



The second round of submissions is now open, with a deadline of April 21, 2024!

With the approval of the Chinese Society of Theoretical and Applied Mechanics, the 7th National Conference on Computational Mechanics of Granular Materials (CMGM-2024) in conjunction with the 4th International Symposium on Computational Particle Technology (CPT-2024) will be held in Nanjing, Jiangsu Province, China, from May 31st to June 3rd, 2024. CMGM-2024 & CPT-2024 will be hosted by the Panel of Computational Mechanics on Granular Materials of the Chinese Society of Theoretical and Applied Mechanics, Jiangsu Society of Theoretical and Applied Mechanics, and Granular Computing Committee of Chinese Society of Particuology (Preparatory), and organized by Hohai University, Monash University.

The theme of this conference will be “the Frontiers in Computational Mechanics and Engineering Technology of Granular Materials”. It will focus on the critical scientific and technical issues in mechanical theories and models, computational analysis and software development, engineering applications as well as related frontiers of granular materials. The conference provides an opportunity for both domestic and international researchers to exchange academic ideas about the challenges and the cutting-edge advances in the area. The conference is expected to be able to extract the promising research directions in granular mechanics, identify the fundamental issues, facilitate the progress in theoretical foundations, numerical methodologies, engineering applications, and interdisciplinary fusion in computational mechanics of granular materials. To support the development of young scholars in the area, especially graduate students, the conference will select and award outstanding papers and presentations.

We sincerely invite experts, colleagues, and students in the field of computational mechanics of granular materials and engineering applications to participate in the conference. We are looking forward to seeing you in Nanjing. We believe that you will enjoy the wide variety of activities of the CMGM-2024 & CPT-2024, as well as your stay in this elegant city.

Sponsored by: Panel of Computational Mechanics on Granular Materials,
Working Party of Computational Mechanics, Chinese
Society of Theoretical and Applied Mechanics
Jiangsu Society of Theoretical and Applied Mechanics
Granular Computing Committee of Chinese Society of
Particuology (Preparatory)

Organized by: Hohai University
Monash University

Co-organized by: Southeast University
Jiangxi University of Science and Technology
Northeast University
DUT-BSU Scientific Research and Innovation Center
State Key Laboratory of Structural Analysis, Optimization
and CAE Software for Industrial Equipment
[Ongoing update...](#)

Supporting agency: [Ongoing update...](#)

Conference Venue: Holiday Inn Nanjing Qinhuai South Suites, Nanjing, China

Conference Dates: May 31st to June 3rd, 2024

Conference Website: www.cmgm2024.com



MONASH
University



中国颗粒学会
Chinese Society Of Particuology

一. 会议组织机构

1. 名誉主席

李静海

郑晓静

李锡夔

2. 会议主席

唐洪武

余艾冰

3. 执行主席

许文祥

刘斯宏

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4. 国际学术咨询委员会

主 席:

Liang-Shih Fan

Liejin Guo

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Jennifer Curtis

Raj Dave

Alain De Ryck

Kejun Dong

Itai Einav

Tim Evans

Yuqing Feng

Yuntian Feng

Rodney O. Fox

S.A. Galindo-Torres

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Jim Litster

Stefan Luding

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Jin Ooi

Renhu Pan

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Phil Schwarz

Yansong Shen

Toshitsugu Tanaka

Geoff Wang

Fei Wei

Peter Witt

Charley Wu

Runyu Yang

Jidong Zhao

Paul Zulli

Ruiping Zou

持续更新中...

5. 国内学术委员会

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刘加平

钟文琪

蒋金洋

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郑 虎	周 博	周 伟	周宗彦	朱志刚	

持续更新中...

6. 会议组委会

主 席：

王 媛 雷 冬 赵永好 郑奇军

副主席：

苟晓凡 殷德顺 宋 丹 王柳江

会务秘书长：

许 诺

委 员：（按姓氏首字母排序）

陈翰澍	陈少华	陈 江	程国坚	董 琪	冯滔滔
巩佳琨	顾 越	胡栋梁	焦璐璐	匡世波	李 民
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王立国	王嗣强	王 涛	薛 峰	杨柳依梅	袁维海
张 沛	张 宇				

Conference Organization

1. Honorary Chairmen

Jinghai Li Xiaojing Zheng Xikui Li

2. Chairmen

Hongwu Tang Aibing Yu

3. Executive Chairmen

Wenxiang Xu Sihong Liu Zongyan Zhou

4. International Academic Advisory Committee

Chairmen:

Liang-Shih Fan Liejin Guo

Members: (In Alphabetical Order by Last Name)

Xiaodong Chen	Jennifer Curtis	Raj Dave	Alain De Ryck
Kejun Dong	Itai Einav	Tim Evans	Yuqing Feng
Yuntian Feng	Rodney O. Fox	S.A. Galindo-Torres	Wei Ge
Rod Guthrie	Karen Hapgood	Stefan Heinrich	Masayuki Horio
J.A.M. (Hans) Kuipers	Yang Jiao	Hidehiro Kamiya	Jim Litster
Stefan Luding	Tang-Tat Ng	Jin Ooi	Renhu Pan
Mikio Sakai	Phil Schwarz	Yansong Shen	Toshitsugu Tanaka
Geoff Wang	Fei Wei	Peter Witt	Charley Wu
Runyu Yang	Jidong Zhao	Paul Zulli	Ruiping Zou

[Ongoing update...](#)

5. Domestic Academic Committee

Chairmen:

Youhe Zhou Jiaping Liu Wenqi Zhong Jinyang Jiang

Members: (In Alphabetical Order by Last Name)

Xizhong An	Huisu Chen	Hongyang Cheng	Xihua Chu
Qinglin Duan	Dianyu E	Fengxian Fan	Chun Feng
Zhuojia Fu	Zhengguo Gao	Xiaofan Gou	Xiaoqiang Gu
Ning Guo	Yu Guo	Decai Huang	Meiying Hou
Maobin Hu	Lu Jing	Shunying Ji	Mingjing Jiang

Sheng Jiang	Dong Lei	Jian Li	Xia Li
Shihai Li	Shuixiang Li	Yanjie Li	Zhong Lv
Junlin Lin	Lin Liu	Chun Liu	Chuanqi Liu
Moubin Liu	Sihong Liu	Zhiyong Liu	Zeyu Lu
Gang Ma	Liuchao Qiu	Tongming Qu	Xiusong Shi
Chaomin Shen	Chuanfu Sun	Guowen Sun	Hongguang Sun
Qicheng Sun	Yuanqiang Tan	Zean Tian	Zhenbo Tong
Bo Wang	Yin Wang	Yuan Wang	Dengming Wang
Fengjuan Wang	Jianfeng Wang	Limin Wang	Yujie Wang
Xiaoliang Wang	Chunhui Xu	Ning Xu	Kun Xue
Wenjie Xu	Wenxiang Xu	Hui Yang	Zhongxuan Yang
Xiaoyan Ye	Zhenyu Yin	Jianqun Yu	Mengyan Zang
Hao Zhang	Jie Zhang	Xue Zhang	Yong Zhang
Jiawen Zhang	Chunfa Zhao	Honghua Zhao	Shiwei Zhao
Tingting Zhao	Yongzhi Zhao	Hu Zheng	Bo Zhou
Wei Zhou	Zongyan Zhou	Zhigang Zhu	

Ongoing update...

6. Conference Organizing Committee

Chairman:

Yuan Wang	Dong Lei	Yonghao Zhao	Qijun Zheng
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Vice Chairmen:

Xiaofan Gou	Deshun Yin	Dan Song	Liujiang Wang
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Secretary-General:

Nuo Xu

Members: (In Alphabetical Order by Last Name)

Hanshu Chen	Shaohua Chen	Jiang Chen	Guojian Cheng
Qi Dong	Taotao Feng	Jiakun Gong	Yue Gu
Dongliang Hu	Lulu Jiao	Shibo Kuang	Min Li
Mingqi Li	Ji Lin	Jianjun Lin	Jiaying Liu
Lu Liu	Minsu Liu	Jianmin Long	Yaru Lv
Lingyi Meng	Chaomin Shen	Xianglong Su	Lian Wang
Liguo Wang	Siqiang Wang	Tao Wang	Feng Xue
Liuyimei Yang	Weihai Yuan	Pei Zhang	Yu Zhang

二. 研讨主题（包括但不限于以下主题）及召集人

1. 颗粒材料力学基本理论模型

MS01	颗粒材料基本物理力学性质	召集人：叶晓燕、周公旦、李健
MS02	颗粒材料动力学及相变特性	召集人：张洁、满腾、孟宪男
MS03	颗粒材料力学性能试验测试	召集人：杨晖、赵红华、黄德财
MS04	颗粒材料的宏-细-微观尺度关联	召集人：王等明、褚开维、凡凤仙
MS05	颗粒材料的均匀化方法与连续介质模型	召集人：刘传奇、楚锡华、唐洪祥

2. 颗粒材料计算方法与工业软件

MS06	离散元方法及其发展趋势	召集人：郭宇、郑虎、刘璐
MS07	基于粒子的计算方法	召集人：葛蔚、傅卓佳、周光正
MS08	颗粒材料的多尺度建模与计算	召集人：王利戈、严成增、高伟
MS09	颗粒材料与流体耦合计算方法	召集人：邱流潮、张浩
MS10	颗粒材料的高性能数值计算及软件开发	召集人：王利民、刘春

3. 计算颗粒技术的工程应用

MS11	土木与交通运输工程中的颗粒材料计算及应用	召集人：刘志勇、孙国文、赵春发、肖宏
MS12	岩土工程中的颗粒材料计算及应用	召集人：王媛、赵吉东、郭宁
MS13	水利工程中的颗粒材料计算及应用	召集人：孙其诚、马刚、刘斯宏
MS14	海洋工程中的颗粒材料计算及应用	召集人：施华斌、景路、狄少丞
MS15	化工工程中的颗粒材料计算及应用	召集人：周宗彦、刘道银、徐骥
MS16	能源工程中的颗粒材料计算及应用	召集人：安希忠、赵永志、刘马林
MS17	环境灾害中的颗粒材料计算及应用	召集人：孙洪广、金阿芳、王晓亮
MS18	机械与农业工程中的颗粒材料计算及应用	召集人：于建群、臧孟炎、姜胜强
MS19	安全工程及其他工程领域中的颗粒材料计算及应用	召集人：徐文杰、薛琨、冯春

4. 计算颗粒技术发展前沿

MS20	基于数据驱动的颗粒材料本构模型和计算方法	召集人：冯云田、赵仕威
MS21	颗粒材料多尺度和多物理场分析中的数据驱动技术	召集人：瞿同明、程宏旻
MS22	颗粒材料的先进制备和表征前沿技术	召集人：陈惠苏、周博、许文祥
MS23	颗粒材料增材制造与数字孪生技术	召集人：刘谋斌、谭援强
MS24	颗粒增强复合材料力学行为	召集人：赵永好、宋丹

Topics and Conveners (including but not limited to the following topics)

1. Basic theoretical models of mechanics of granular materials

MS01	Basic physical and mechanical properties of granular materials	Conveners: Xiaoyan Ye, Gongdan Zhou, Jian Li
MS02	Dynamics and phase transition characteristics of granular materials	Conveners: Jie Zhang, Teng Man, Xiannan Meng
MS03	Experimental testing of mechanical properties of granular materials	Conveners: Hui Yang, Honghua Zhao, Decai Huang
MS04	Macro-meso-microscale correlation of granular materials	Conveners: Dengming Wang, Kaiwei Chu, Fengxian Fan
MS05	Homogenization method and continuum model of granular materials	Conveners: Chuanqi Liu, Xihua Chu, Hongxiang Tang

2. Numerical methods and industrial software for granular materials

MS06	Discrete element method and its development trend	Conveners: Yu Guo, Hu Zheng, Lu Liu
MS07	Particle-based numerical methods	Conveners: Wei Ge, Zhuojia Fu, Guangzheng Zhou
MS08	Multi-scale modeling and computation of granular materials	Conveners: Lige Wang, Chengzeng Yan, Wei Gao
MS09	Numerical methods for granular materials coupled with fluids	Conveners: Liuchao Qiu, Hao Zhang
MS10	High-performance numerical calculation and software development of granular materials	Conveners: Liming Wang, Chun Liu

3. Computational particle technology and engineering applications

MS11	Computational technology of granular materials in civil and transportation engineering	Conveners: Zhiyong Liu, Guowen Sun, Chunfa Zhao, Hong Xiao
MS12	Computational technology of granular materials in geotechnical engineering	Conveners: Yuan Wang, Jidong Zhao, Ning Guo
MS13	Computational technology of granular materials in water conservancy	Conveners: Qicheng Sun, Gang Ma, Sihong Liu
MS14	Computational technology of granular materials in ocean engineering	Conveners: Huabin Shi, Lu Jing, Shaocheng Di
MS15	Computational technology of granular materials in chemical engineering	Conveners: Zongyan Zhou, Daoyin Liu, Ji Xu
MS16	Computational technology of granular materials in energy engineering	Conveners: Xizhong An, Yongzhi Zhao, Malin Liu
MS17	Computational technology of granular materials in environmental hazards	Conveners: Hongguang Sun, Afang Jin, Xiaoliang Wang
MS18	Computational technology of granular materials in mechanical and agricultural engineering	Conveners: Jianqun Yu, Mengyan Zang, Shengqiang Jiang
MS19	Computational technology of granular materials in safety and other engineering fields	Conveners: Wenjie Xu, Kun Xue, Chun Feng

4. Frontiers in computational particle technology

MS20	Data-driven constitutive models and numerical methods of granular materials	Conveners: Yuntian Feng, Shiwei Zhao
MS21	Data-driven techniques in multi-scale and multi-physical field analysis of granular materials	Conveners: Tongming Qu, Hongyang Cheng
MS22	Advanced preparation and characterization technologies of granular materials	Conveners: Huisu Chen, Bo Zhou, Wenxiang Xu
MS23	Particle-based additive manufacturing and digital twin technology	Conveners: Moubin Liu, Yuanqiang Tan
MS24	Mechanical behavior of particle reinforced composites	Conveners: Yonghao Zhao, Dan Song

三. 会议组织形式

本次会议采用主会场、分会会场和墙报等多种形式相结合的交流方式。

1. 主会场：大会特邀报告；
2. 分会会场：邀请报告和专题报告；
3. 墙报交流；
4. 科学仪器及计算平台展览展示。

Organizing Committee

This conference adopts a combination of main venue, sub-venue.

1. Main venue: Plenary lectures;
2. Sub-venue: keynote speech and oral presentation;
3. Poster presentation;
4. Scientific instruments and computing platform exhibition.

四. 会议投稿

征稿分摘要和全文，投摘要即可申请发表报告。所有文章请提供英文题目和摘要。请您登录大会官网（www.cmgm2024.com）进行论文投稿，来稿格式参考模板。提交稿件时文件名称按“主题编号-作者姓名-题目”的格式书写，（例如：MS01-张三-颗粒材料基本理论模型的研究进展）。

本次会议将评选优秀学生报告若干名，会议闭幕式上颁发荣誉证书和纪念品。参评人需同时满足以下条件：（1）在读研究生；（2）提交的学术论文为第一作者；（3）会上宣读论文。

本次会议将邀请大约40个优秀报告提交全文，刊登在***Powder Technology***特刊上。

Paper Submission

The call for papers is divided into abstracts and full-length papers, and submission of an abstract is sufficient to apply for a presentation. For all articles, please provide the title and abstract in English. Please login the official website of the conference (www.cmgm2024.com) to submit your abstract or paper, and the format of the submission should follow the template. The title of the submission should be in the format of “Topic Number - Author Name - Title” (e.g., MS01 - San Zhang - Research Progress in Basic Theoretical Models of Granular Materials).

This conference will select several outstanding student reports, and award honorary certificates and souvenirs at the closing ceremony. Candidates should meet the following conditions: (1) graduate student; (2) the first author of the paper submitted; (3) the paper is presented at the conference.

About 40 outstanding reports will be invited to submit the full texts to be published in the special issue of ***Powder Technology*** for this conference.

五. 会议注册费

注册类别	正式代表	学生代表
提前注册 (2024年4月10日及之前)	2100 元/人	1800 元/人
正常注册 (2024年4月11日及之后)	2500 元/人	2200 元/人

会议注册费用包含会议资料费和餐费，不包含住宿费和交通费。

本次会议委托“江苏省力学学会”收取会议注册费并开具发票，缴费方式详见大会官网。

Conference registration fee

Registration Type	Formal Representative	Student Representative
Early-Bird Registration (Deadline: April 10 th , 2024)	2100 RMB	1800 RMB
Normal Registration (From April 11 st , 2024)	2500 RMB	2200 RMB

Conference registration fee includes conference materials and meals, but do not include accommodation and transportation.

The conference entrusts Jiangsu Society of Theoretical and Applied Mechanics to collect registration fees and issue invoices. The payment method refers to the official website of the conference.

六. 联系方式

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